



CLARK™
WIRE & CABLE

Broadcast and Commercial AV Cabling

MASTER CATALOG

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CLARK™

WIRE & CABLE

The premier innovator of cabling technology for the past two decades, Clark Wire & Cable continues to lead in the evolution and development of cabling and connectivity for broadcast and commercial AV systems. With a focus on precision and installation efficiency, Clark cables are designed to meet or exceed technology standards for both current and emerging formats while delivering time-saving installation features and performance reliability.

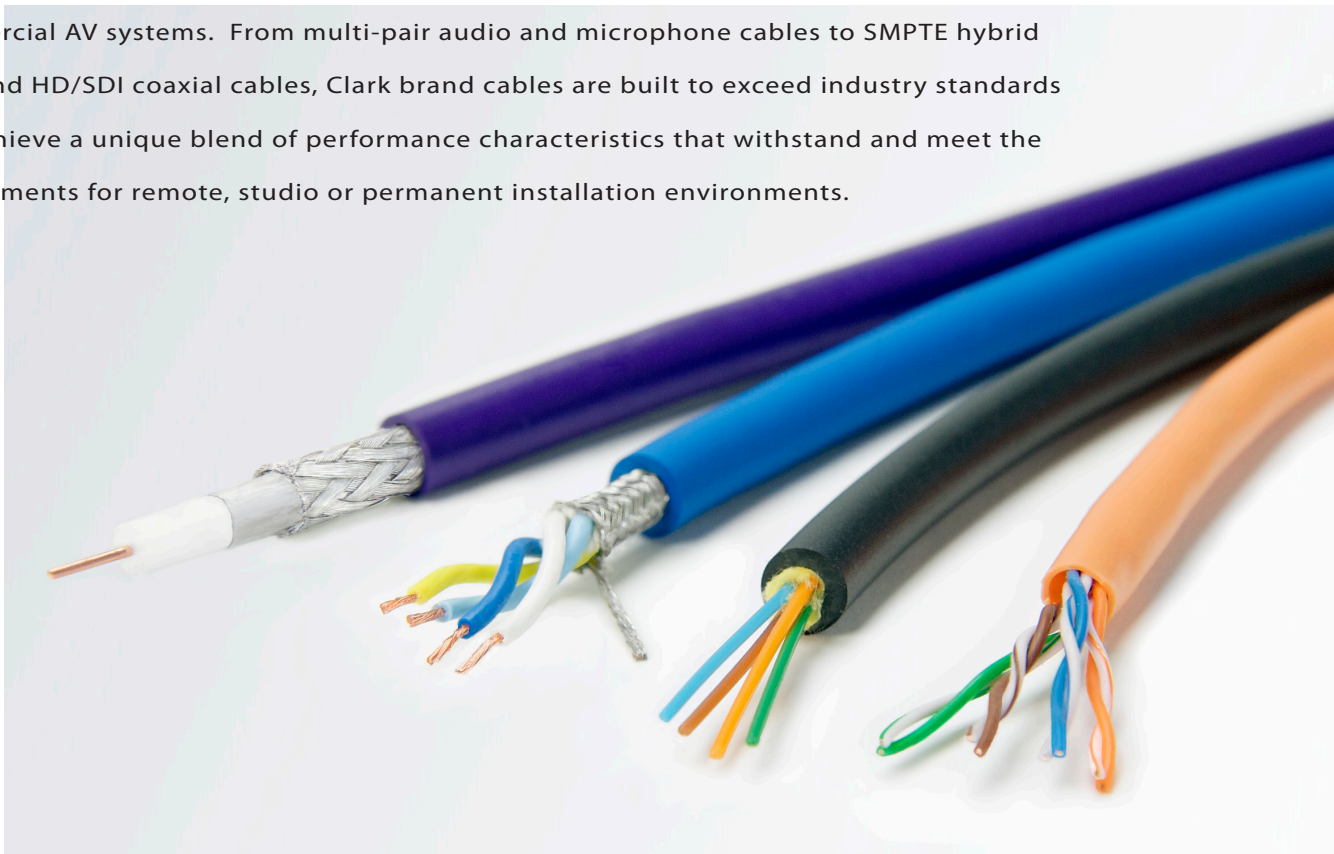
Since 1989, Clark Wire & Cable has solely focused on specialized cabling solutions for the audio, video and network systems found in the pro-audio, broadcast video, staging, and commercial AV industries. Through Clark Wire & Cable's unique combination of products, value added services, product distribution, and exceptional customer service, Clark delivers a complete turnkey solution to truly be Your Partner in Connectivity™.

Your Partner in Connectivity™

CLARK

& CABLE
**CABLING ENGINEERED FOR BROADCAST
AND COMMERCIAL AV SYSTEMS**

With a comprehensive product line spanning copper, fiber and hybrid formats, Clark Wire & Cable's products deliver solutions for the interfacing standards found in broadcast and commercial AV systems. From multi-pair audio and microphone cables to SMPTE hybrid fiber and HD/SDI coaxial cables, Clark brand cables are built to exceed industry standards and achieve a unique blend of performance characteristics that withstand and meet the requirements for remote, studio or permanent installation environments.



Video Cable

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Video cabling built for leading-edge broadcast and commercial video standards.

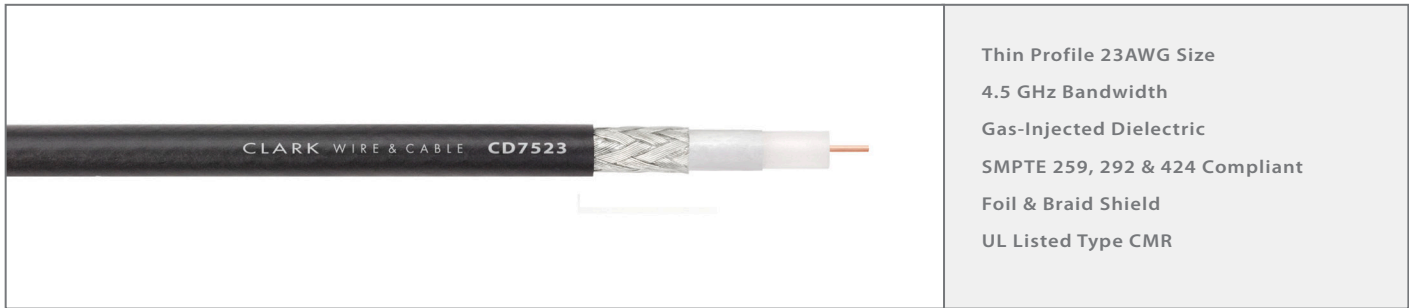
Clark Wire & Cable's video cables are proudly manufactured in the US and engineered to our industry leading specifications. Designed to exceed commercial video standards for professional video formats, Clark video cables achieve exceptional performance for today's digital video transmission standards.

With unique designs built for post production, broadcast, commercial video, and remote broadcast applications, Clark video cables deliver solutions for a wide array of professional video applications and installation environments.



CD7523

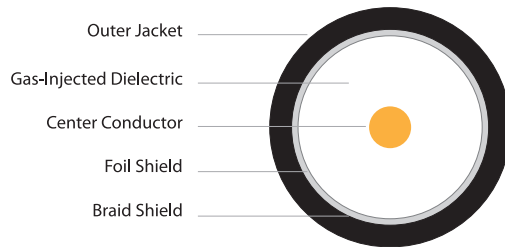
4.5GHz HD/SDI Miniature 23AWG Coaxial Cable



Part Number: **CD7523**
 Description: 4.5GHz HD/SDI Miniature 23AWG Riser Rated Coaxial Cable

Materials & Dimensions

Center Conductor	23 AWG Solid BC .023" OD
Dielectric	Gas-Injected Foam PE .100" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PVC
Overall Diameter	.159"
Available Colors	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White



Performance Characteristics

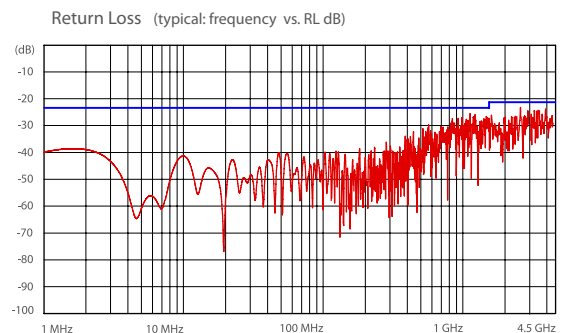
Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 20 Ω/Mft Shield: 7.6 Ω/Mft	16.4 pF/ft	83%	35 lbs max.	1.5" min.	-30°C to 75°C	18 lbs/Mft	CMR

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.38	0.78	1.2	3.0	3.8	5.4	6.2	9.3	10.5	13.0	16.0	18.5	22.8
Attenuation dB/100 meters	1.3	2.6	3.9	9.8	12.5	17.7	20.3	30.5	34.4	42.6	52.5	60.7	74.8

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	790'	681'	185' - 315'	135' - 211'

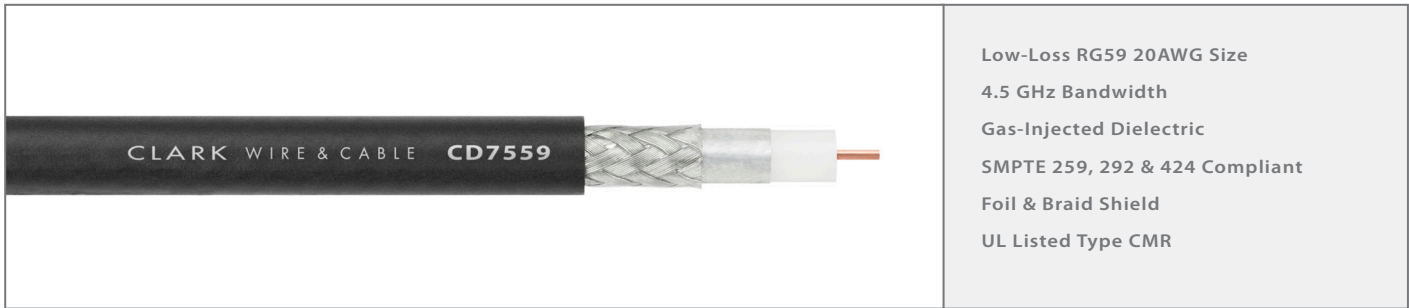
Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

The CD7523 is a precision 4.5 GHz miniature 23AWG coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMR, the CD7523 can be installed in a variety of permanent installation locations and environments.



CD7559

4.5GHz HD/SDI RG59 Coaxial Cable

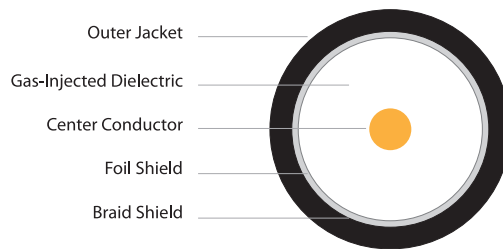


Low-Loss RG59 20AWG Size
 4.5 GHz Bandwidth
 Gas-Injected Dielectric
 SMPTE 259, 292 & 424 Compliant
 Foil & Braid Shield
 UL Listed Type CMR

Part Number: **CD7559**
 Description: 4.5GHz HD/SDI RG59 Riser Rated Coaxial Cable

Materials & Dimensions

Center Conductor	20 AWG Solid BC .032" OD
Dielectric	Gas-Injected Foam PE .146" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PVC
Overall Diameter	.242"
Available Colors	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 10.0 Ω/Mft Shield: 3.8 Ω/Mft	16.3 pF/ft	83%	55 lbs max.	2.4" min.	-30°C to 75°C	35 lbs/Mft	CMR

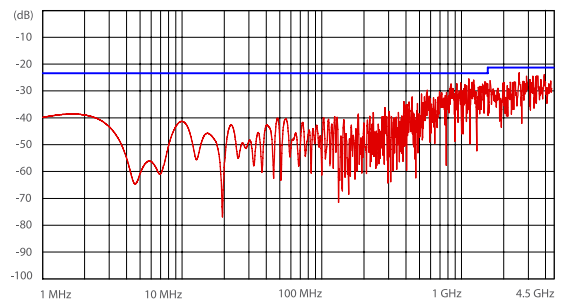
Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.29	0.55	0.86	2.1	2.7	3.7	4.4	6.4	7.6	9.3	11.5	13.3	16.4
Attenuation dB/100 meters	0.95	1.8	2.8	6.9	8.9	12.1	14.4	21.0	24.9	30.5	37.7	43.6	53.8

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1060'	962'	269' - 400'	189' - 285'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission

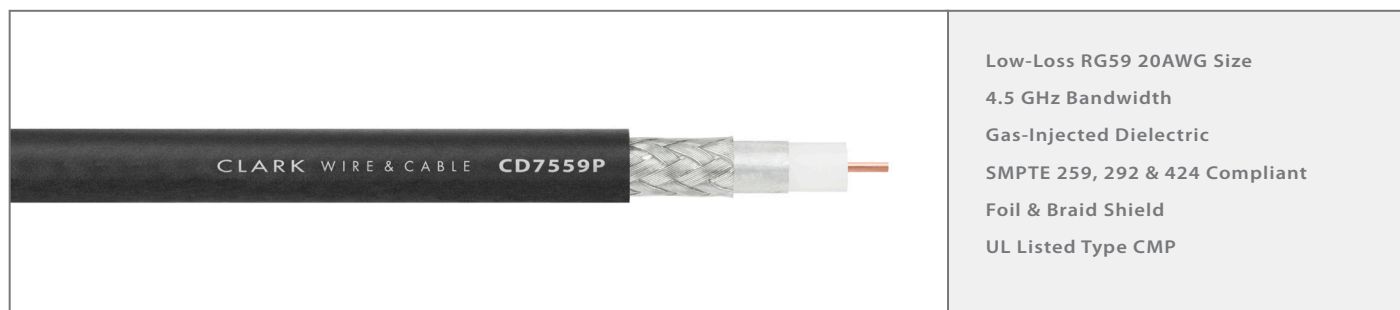
The CD7559 is a precision 4.5 GHz RG59 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMR, the CD7559 can be installed in a variety of permanent installation locations and environments.

Return Loss (typical: frequency vs. RL dB)



CD7559P

Plenum 4.5GHz HD/SDI RG59 Coaxial Cable

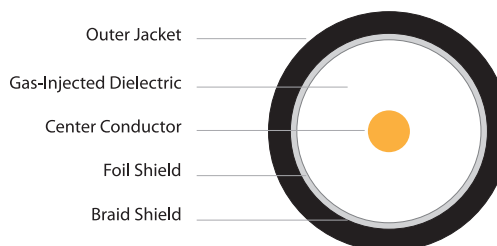


- Low-Loss RG59 20AWG Size
- 4.5 GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE 259, 292 & 424 Compliant
- Foil & Braid Shield
- UL Listed Type CMP

Part Number: **CD7559P**
 Description: 4.5GHz HD/SDI RG59 Plenum Rated Coaxial Cable

Materials & Dimensions

CENTER CONDUCTOR	20 AWG Solid BC .032" OD
DIELECTRIC	Gas-Injected Foam FEP .135" OD
SHIELD	100% Aluminum Foil 95% TC Braid
JACKET	Low Pressure, Easy Strip PL-PVC
OVERALL DIAMETER	.195"
AVAILABLE COLORS	Black (other colors available as special order)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 10.0 Ω/Mft Shield: 7.6 Ω/Mft	16.1 pF/ft	84%	53 lbs max.	1.9" min.	0°C to 75°C	29 lbs/Mft	CMP

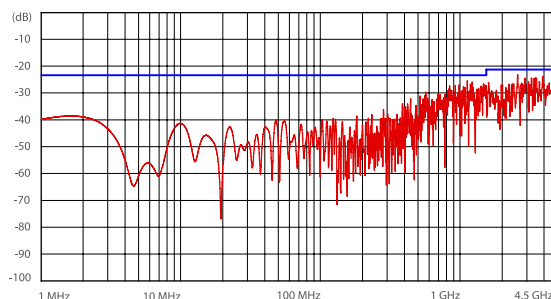
Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.28	0.55	0.88	2.1	2.9	4.1	4.8	7.2	9.0	11.5	14.8	17.5	27.5
Attenuation dB/100 meters	0.92	1.8	2.9	6.9	9.5	13.5	15.7	23.6	29.5	37.7	48.5	57.4	90.2

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	990'	882'	239' - 375'	153' - 233'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission

The CD7559P is a precision 4.5 GHz RG59 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL listed type CMP, the CD7559P can be installed in a variety of permanent installation locations and environments.

Return Loss (typical: frequency vs. RL dB)



CD7559F

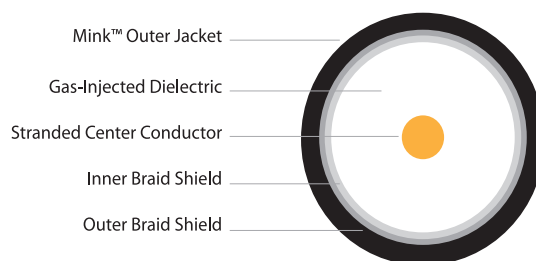
Ultra-Flexible 4.5GHz HD/SDI RG59 Coaxial Cable



Part Number: **CD7559F**
 Description: **Ultra-Flexible 4.5GHz HD/SDI RG59 Coaxial Cable**

Materials & Dimensions

Center Conductor	21 AWG (19 Strand) BC .031" O.D.
Dielectric	Gas-Injected Foam PE .146" O.D.
Shield	90% TC Braid & 90% TC Braid (dual braids)
Jacket	MINK™ Ultra-Flexible Matte PVC
Overall Diameter	.242"
Available Colors	Black



Performance Characteristics

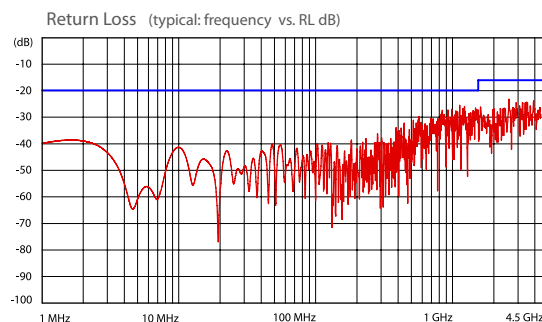
Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight
75Ω (+/-2)	>20 dB (1MHz - 1GHz) >15dB (1GHz - 4.5GHz)	Conductor: 12.2 Ω/Mft Shield: 2.4 Ω/Mft	17.0 pF/ft	78%	90 lbs max.	2.4" min.	-35°C to 75°C	35 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.25	0.51	0.91	2.5	3.5	5.0	5.9	8.6	10.4	13.1	16.5	19.6	24.8
Attenuation dB/100 meters	0.82	1.7	3.0	8.2	11.5	16.4	19.4	28.2	34.1	43.0	54.1	64.3	81.3

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	850'	720'	195' - 326'	130' - 204'

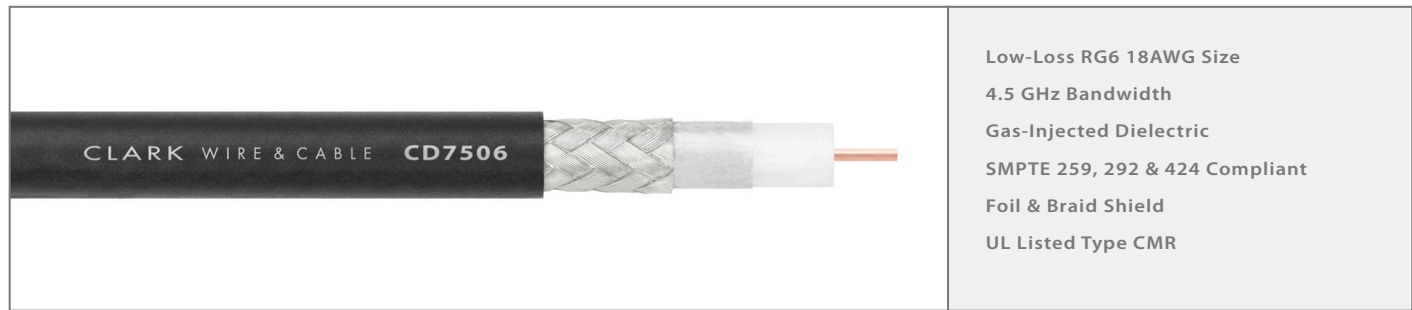
Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission

The CD7559F is an ultra-flexible, precision 4.5 GHz RG59 coax for HD/SDI, standard SDI or high resolution video applications. As with all Clark CD series coax cables, the CD7559F features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Built for use in staging, remote broadcast and patching applications, the CD7559F utilizes Clark's ultra-flexible Mink™ outer jacket, dual braided shields and a video grade, stranded center conductor for exceptional flexibility and flex-life.



CD7506

4.5GHz HD/SDI RG6 Coaxial Cable

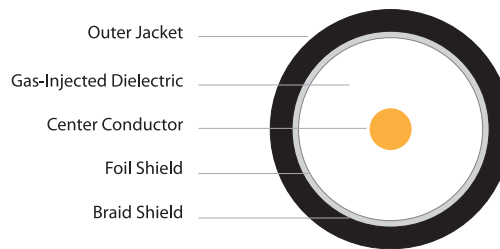


Low-Loss RG6 18AWG Size
 4.5 GHz Bandwidth
 Gas-Injected Dielectric
 SMPTE 259, 292 & 424 Compliant
 Foil & Braid Shield
 UL Listed Type CMR

Part Number: **CD7506**
 Description: 4.5GHz HD/SDI RG6 Riser Rated Coaxial Cable

Materials & Dimensions

Center Conductor	18 AWG Solid BC .040" OD
Dielectric	Gas-Injected Foam PE .180" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PVC
Overall Diameter	.272"
Available Colors	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White



Performance Characteristics

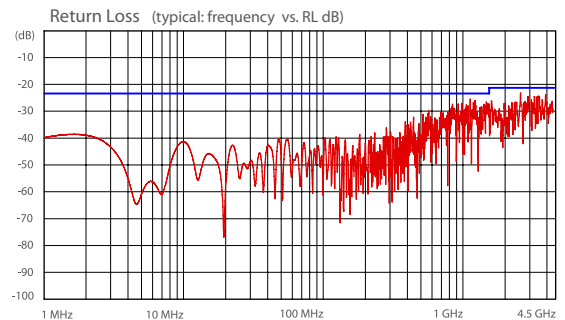
Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	70 lbs max.	2.7" min.	-30°C to 75°C	41 lbs/Mft	CMR

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.22	0.43	0.70	1.6	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3
Attenuation dB/100 meters	0.72	1.4	2.3	5.3	6.9	9.5	11.2	16.1	19.0	23.9	29.9	34.8	43.6

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission

The CD7506 is a precision 4.5 GHz RG6 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMR, the CD7506 can be installed in a variety of permanent installation locations and environments.



CD7506P

Plenum 4.5GHz HD/SDI RG6 Coaxial Cable

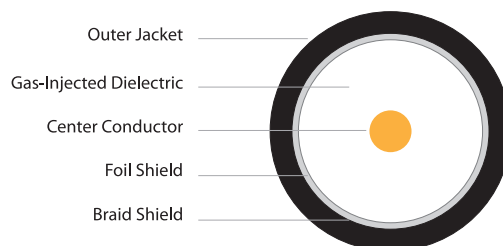


- Low-Loss RG6 18AWG Size
- 4.5 GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE 259, 292 & 424 Compliant
- Foil & Braid Shield
- UL Listed Type CMP

Part Number: **CD7506P**
 Description: 4.5GHz HD/SDI RG6 Plenum Rated Coaxial Cable

Materials & Dimensions

Center Conductor	18 AWG Solid BC .040" OD
Dielectric	Gas-Injected Foam FEP .170" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PL-PVC
Overall Diameter	.237"
Available Colors	Black (other colors available as special order)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.1 pF/ft	84%	73 lbs max.	2.4" min.	0°C to 75°C	40 lbs/Mft	CMP

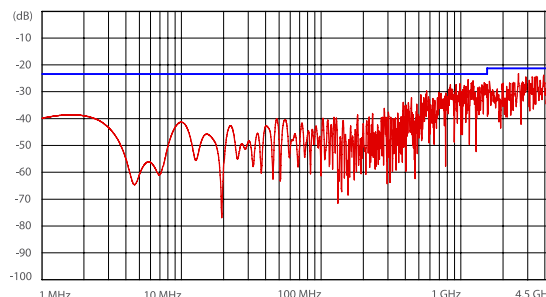
Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.22	0.45	0.73	1.7	2.4	3.4	3.9	6.1	7.2	9.1	11.5	13.7	16.9
Attenuation dB/100 meters	0.72	1.5	2.4	5.6	7.9	11.2	12.8	20.0	23.6	29.9	37.7	44.9	55.4

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1232'	1068'	282' - 458'	193' - 290'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission.

The CD7506P is a precision 4.5 GHz RG6 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL listed type CMP, the CD7506P can be installed in a variety of permanent installation locations and environments.

Return Loss (typical: frequency vs. RL dB)



CD7506DB

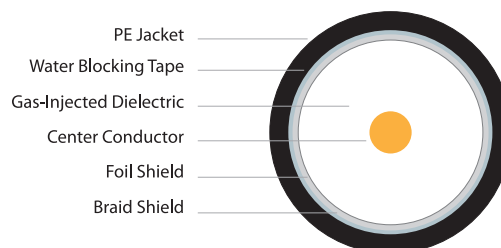
Direct Burial 4.5GHz HD/SDI RG6 Coaxial Cable



Part Number: **CD7506DB**
 Description: Direct Burial 4.5GHz HD/SDI RG6 Coaxial Cable

Materials & Dimensions

Center Conductor	18 AWG Solid BC .040" OD
Dielectric	Gas-Injected Foam PE .180" OD
Shield	100% Aluminum Foil & 95% TC Braid
Barrier	Water-Blocking Tape
Jacket	Polyethylene
Overall Diameter	.272"
Available Colors	Black



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Weight
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	70 lbs max.	2.7" min.	40 lbs/Mft

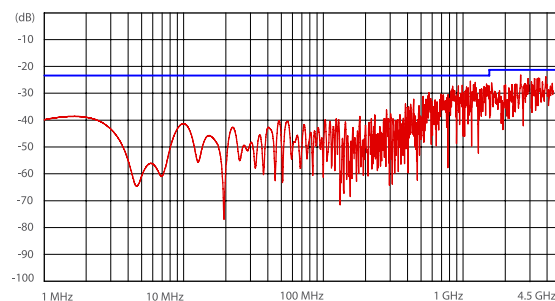
Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.22	0.43	0.70	1.6	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3
Attenuation dB/100 meters	0.72	1.4	2.3	5.3	6.9	9.5	11.2	16.1	19.0	23.9	29.9	34.8	43.6

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission

The CD7506DB is a precision 4.5 GHz RG6 coax for HD/SDI, standard SDI or high resolution video formats in direct burial applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Designed for direct burial applications, the CD7506DB has a puncture resistant PE jacket and a water-blocking tape barrier that provides an additional level of protection for moisture absorption in the event that the jacket is penetrated.

Return Loss (typical: frequency vs. RL dB)



CD7511

4.5GHz HD/SDI RG11 Coaxial Cable

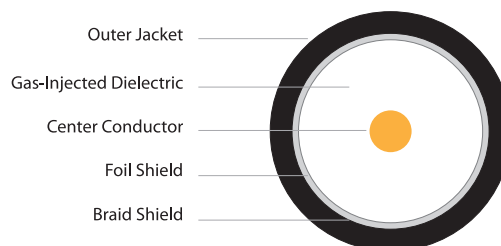


- Low-Loss RG11 14AWG Size
- 4.5 GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE 259, 292 & 424 Compliant
- Foil & Braid Shield
- UL Listed Type CMR

Part Number: **CD7511**
 Description: 4.5GHz HD/SDI RG11 Riser Rated Coaxial Cable

Materials & Dimensions

Center Conductor	14 AWG Solid BC .064" OD
Dielectric	Gas-Injected Foam PE .285" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PVC
Overall Diameter	.405"
Available Colors	Black (other colors available as special order)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 2.5 Ω/Mft Shield: 1.5 Ω/Mft	16.1 pF/ft	84%	83 lbs max.	4.0" min.	-30°C to 75°C	104 lbs/Mft	CMR

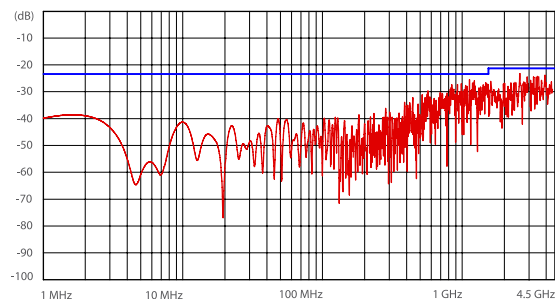
Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.14	0.28	0.43	1.0	1.4	1.9	2.2	3.3	3.9	4.8	5.8	6.7	8.8
Attenuation dB/100 meters	0.46	0.92	1.4	3.3	4.6	6.2	7.2	10.8	12.8	15.7	19.0	22.0	28.9

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	2046'	1834'	521' - 849'	366' - 570'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission

The CD7511 is a precision 4.5 GHz RG11 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMR, the CD7511 can be installed in a variety of permanent installation locations and environments.

Return Loss (typical: frequency vs. RL dB)



CD7511P

Plenum 4.5GHz HD/SDI RG11 Coaxial Cable

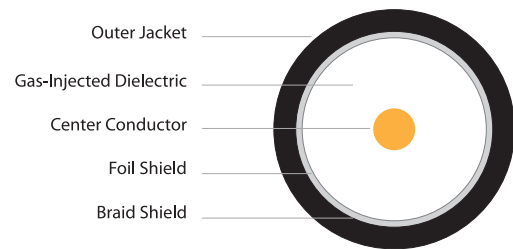


- Low-Loss RG11 14AWG Size
- 4.5 GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE 259, 292 & 424 Compliant
- Foil & Braid Shield
- UL Listed Type CMP

Part Number: **CD7511P**
 Description: 4.5GHz HD/SDI RG11 Plenum Rated Coaxial Cable

Materials & Dimensions

Center Conductor	14 AWG Solid BC .064" OD
Dielectric	Gas-Injected Foam FEP .280" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PL-PVC
Overall Diameter	.348"
Available Colors	Black (other colors available as special order)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 2.5 Ω/Mft Shield: 1.6 Ω/Mft	16.0 pF/ft	84%	140 lbs max.	3.5" min.	-40°C to 150°C	80 lbs/Mft	CMP

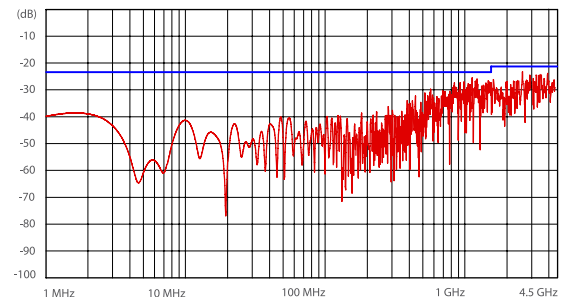
Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.14	0.25	0.41	1.0	1.4	2.2	2.7	4.2	5.3	6.8	9.0	10.1	13.3
Attenuation dB/100 meters	0.46	0.82	1.4	3.3	4.6	7.2	8.9	13.8	17.4	22.3	29.5	33.1	43.6

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	2010'	1650'	408' - 667'	258' - 398'

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission

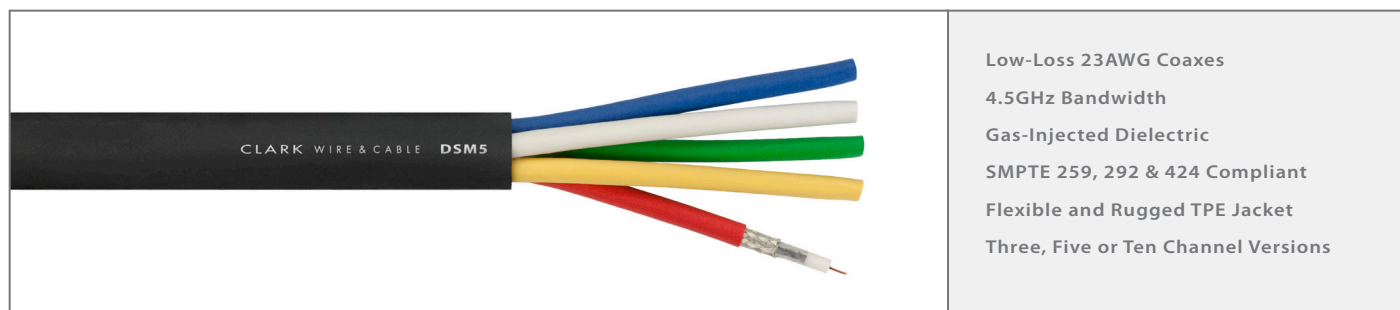
The CD7511P is a precision 4.5 GHz RG11 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMP, the CD7511P can be installed in a variety of permanent installation locations and environments.

Return Loss (typical: frequency vs. RL dB)



DSM Series

Miniature 23AWG HD/SDI 75Ω Coax Snake Cables

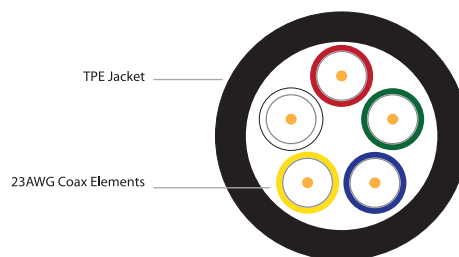


- Low-Loss 23AWG Coaxes
- 4.5GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE 259, 292 & 424 Compliant
- Flexible and Rugged TPE Jacket
- Three, Five or Ten Channel Versions

Part Number: **DSMx** (see below for variations)
 Description: **75Ω Miniature 23AWG HD/SDI Coax Snake Cables**

Materials & Dimensions

Conductors	(1) 23AWG Solid BC .023" O.D. (per coax element)
Insulation	Gas-Injected Foam PE .100" O.D.
Shield	100% Aluminum Foil 95% TC Braid
Coax Jacket	Low Pressure, Easy Strip PVC, .159" O.D.
Overall Jacket	Black TPE (see below for overall cable diameters)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature	Listings
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 20 Ω/Mft Shield: 7.6 Ω/Mft	16.4 pF/ft	83%	-30°C to 75°C	CMR/CMG C(UL)US FT-4 (CSA)

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.38	0.78	1.2	3.0	3.8	5.4	6.2	9.3	10.5	13.0	16.0	18.5	22.8
Attenuation dB/100 meters	1.3	2.6	3.9	9.8	12.5	17.7	20.3	30.5	34.4	42.6	52.5	60.7	74.8

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	790'	681'	185' - 315'	135' - 211'

Actual distances may vary with each system. Typical lengths listed only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

Product Variations

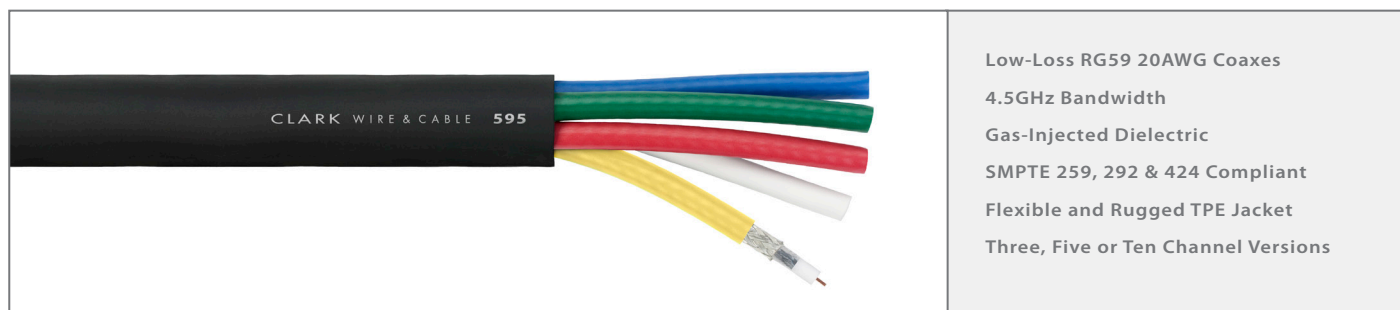
Part Number	Number of Coax Elements	Coax Color Code	Overall Diameter	Weight	Bend Radius
DSM3	3	Red, Green, Blue	.465"	115 lbs/Mft	4.7"
DSM5	5	Red, Green, Blue, Yellow, White	.550"	158 lbs/Mft	5.5"
DSM10	10	Red, Green, Blue, Yellow, White, Brown, Orange, Violet, Grey, Black	.790"	316 lbs/Mft	7.9"

The DSM series coax snake cables feature precision 4.5GHz miniature 23AWG coaxes for HD/SDI, standard SDI or high resolution video applications. Each coax element meets or exceeds SMPTE 259M, 292M and 424M standards for high-definition digital video formats. Also built for easy termination, the DSM series coaxes have easy-to-strip outer jackets and dielectrics that streamline connector termination. The outer jacket is extruded from a flexible, rugged and abrasion resistant TPE compound that is ideal for portable and staging applications and UL rated for permanent installation.

See CD7523 specifications on page 8 for additional coax attenuation values.

59x Series

RG59 HD/SDI 75Ω Coax Snake Cables

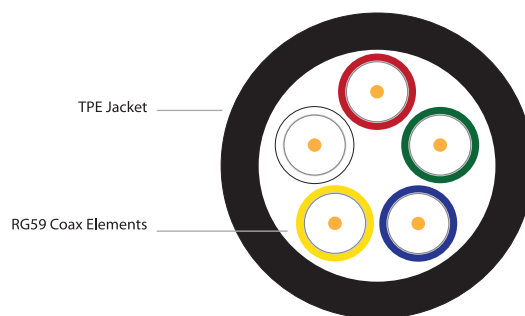


Low-Loss RG59 20AWG Coaxes
 4.5GHz Bandwidth
 Gas-Injected Dielectric
 SMPTE 259, 292 & 424 Compliant
 Flexible and Rugged TPE Jacket
 Three, Five or Ten Channel Versions

Part Number: **59x** (see below for variations)
 Description: 75Ω RG59 HD/SDI Coax Snake Cables

Materials & Dimensions

Conductors	(1) 20AWG Solid BC .032" O.D. (per coax element)
Insulation	Gas-Injected Foam PE .146" O.D.
Shield	100% Aluminum Foil 95% TC Braid
Coax Jacket	Low Pressure, Easy Strip PVC, .242" O.D.
Overall Jacket	Black TPE (see below for overall cable diameters)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 10.0 Ω/Mft Shield: 3.8 Ω/Mft	16.3 pF/ft	83%	-30°C to 75°C

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.29	0.55	0.86	2.1	2.7	3.7	4.4	6.4	7.6	9.3	11.5	13.3	16.4
Attenuation dB/100 meters	0.95	1.8	2.8	6.9	8.9	12.1	14.4	21.0	24.9	30.5	37.7	43.6	53.8

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1060'	962'	269' - 400'	189' - 285'

Actual distances may vary with each system. Typical lengths listed only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

Product Variations

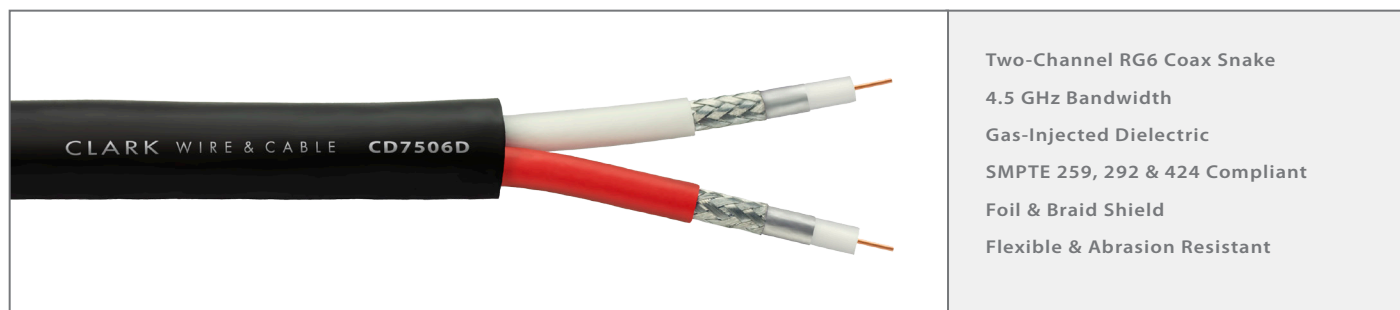
Part Number	Number of Coax Elements	Coax Color Code	Overall Diameter	Weight	Bend Radius
593	3	Red, Green, Blue	.650"	215 lbs/Mft	6.5"
595	5	Red, Green, Blue, Yellow, White	.795"	330 lbs/Mft	8.0"
590	10	Red, Green, Blue, Yellow, White, Brown, Orange, Violet, Grey, Black	1.100"	625 lbs/Mft	11.0"

The 59x series coax snake cables feature precision 4.5GHz RG59 coaxes for HD/SDI, standard SDI or high resolution video applications. Each coax element meets or exceeds SMPTE 259M, 292M and 424M standards for high-definition digital video formats. Also built for easy termination, the 59x series coaxes have easy-to-strip outer jackets and dielectrics that streamline connector termination. The outer jacket is extruded from a flexible, rugged and abrasion resistant TPE compound that is ideal for portable and staging applications.

See CD7559 specifications on page 9 for additional coax attenuation values.

CD7506D

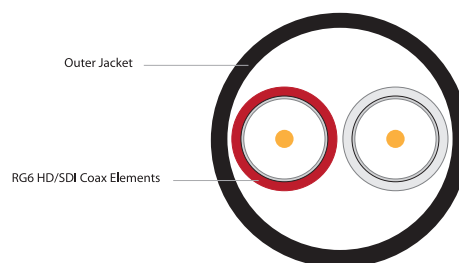
Two Channel RG6 HD/SDI 4.5GHz Cable



Part Number: **CD7506D**
 Description: Two Channel RG6 HD/SDI 4.5 GHz Cable

Materials & Dimensions

Outer Jacket	Black TPE
Overall Diameter	.650"
Coax Elements	2 - RG6 Coaxes
Coax: Center Conductor	18 AWG Solid BC, .040" OD
Coax: Dielectric	Gas-Injected Foam PE, .180" OD
Coax: Shield	100% Aluminum Foil 95% TC Braid
Coax: Jacket	Low Pressure, Easy Strip PVC, .272" OD



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	140 lbs max.	6.5" min.	-30°C to 75°C	140 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.22	0.43	0.70	1.6	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3
Attenuation dB/100 meters	0.72	1.4	2.3	5.3	6.9	9.5	11.2	16.1	19.0	23.9	29.9	34.8	43.6

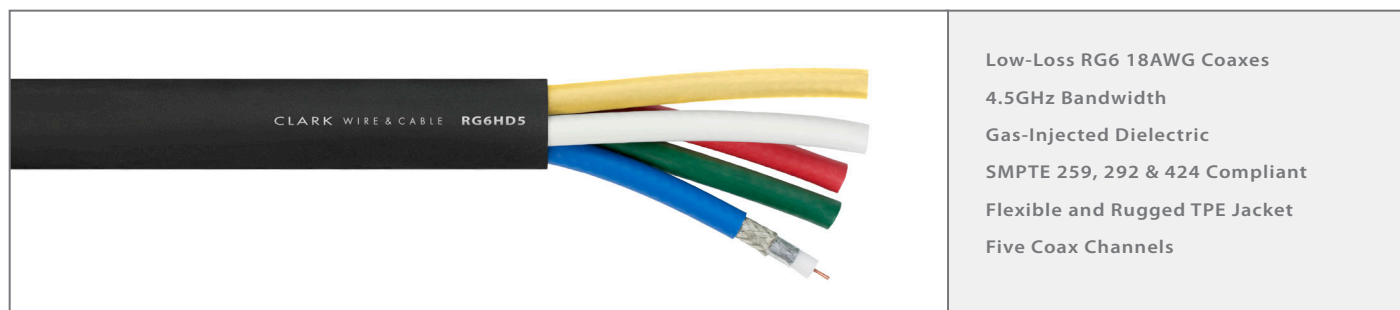
HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'

Actual distances may vary with each system. Typical lengths listed only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

The CD7506D is a precision, two-channel RG6 HD/SDI coax snake for 3D camera or send and return video applications. Built for studio or remote applications, the CD7506D features a round TPE jacket that is both flexible and abrasion resistant. Each of the CD series RG6 coax elements feature precision 75 Ohm impedances and 4.5 GHz bandwidths for the latest SMPTE 292M and 424M digital video standards. Also built for easy termination, the CD series coax elements have easy-to-strip jackets and dielectrics that streamline connector termination.

RG6HD5

RG6 Five Channel HD/SDI 75Ω Coax Snake Cable

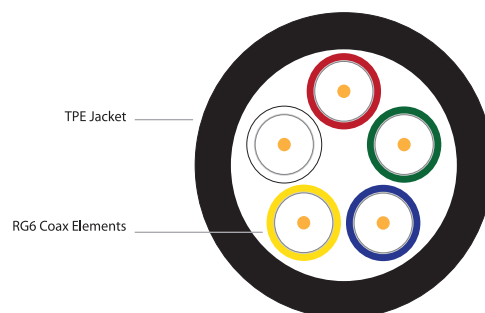


- Low-Loss RG6 18AWG Coaxes
- 4.5GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE 259, 292 & 424 Compliant
- Flexible and Rugged TPE Jacket
- Five Coax Channels

Part Number: **RG6HD5**
 Description: **RG6 Five Channel HD/SDI 75Ω Coax Snake Cables**

Materials & Dimensions

Conductors	(1) 18AWG Solid BC .040" O.D. (per coax element)
Insulation	Gas-Injected Foam PE .180" O.D.
Shield	100% Aluminum Foil 95% TC Braid
Coax Jacket	Low Pressure, Easy Strip PVC, .272" O.D.
Coax Elements	5
Coax Color Code	Red, Blue, Green, Yellow, White
Overall Jacket	Black TPE, .880" O.D.



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Bend Radius	Operating Temperature	Weight
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	8.8" min.	-30°C to 75°C	385 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz
Attenuation dB/100 feet	0.22	0.43	0.70	1.6	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3
Attenuation dB/100 meters	0.72	1.4	2.3	5.3	6.9	9.5	11.2	16.1	19.0	23.9	29.9	34.8	43.6

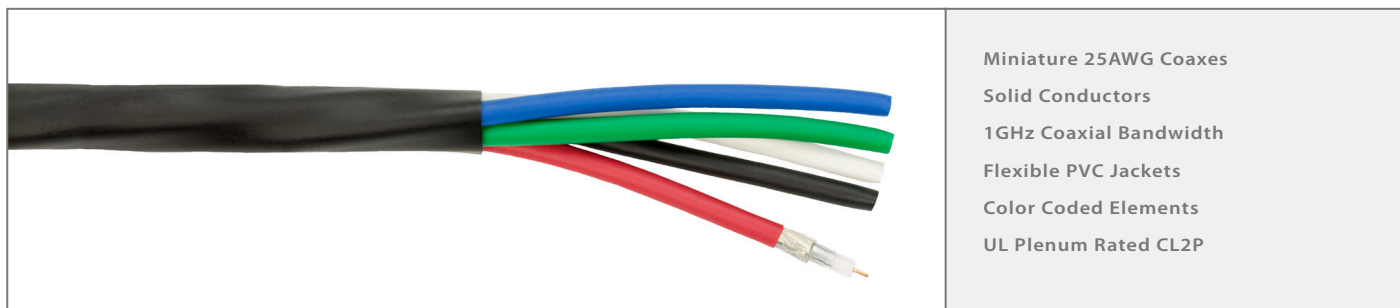
HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'

Actual distances may vary with each system. Typical lengths listed only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

The RG6HD5 coax snake cable features precision 4.5GHz RG6 coaxes for HD/SDI, standard SDI or high resolution video applications. Each coax element meets or exceeds SMPTE 259M, 292M and 424M standards for high-definition digital video formats. Also built for easy termination, the RG6HD5 has easy-to-strip coax jackets and dielectrics that streamline connector termination. The outer jacket is extruded from a flexible, rugged and abrasion resistant TPE compound that is ideal for portable and staging applications.

RGB5SP

Plenum Miniature 25AWG 75Ω Coax Snake

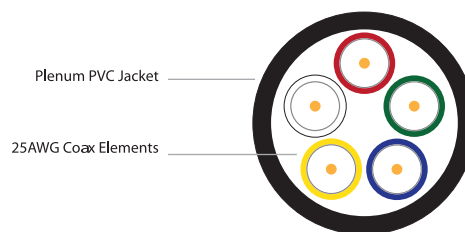


- Miniature 25AWG Coaxes
- Solid Conductors
- 1GHz Coaxial Bandwidth
- Flexible PVC Jackets
- Color Coded Elements
- UL Plenum Rated CL2P

Part Number: **RGB5SP**
 Description: Plenum Miniature 25AWG 75Ω Coax Snake

Materials & Dimensions

Conductors	25AWG Solid BC .018" O.D. (1 per coax element)
Insulation	Foam FEP .074" O.D.
Shield	100% Aluminum Foil 90% TC Serve
Coax Jacket	Plenum PVC, .106" O.D.
Coax Elements	5
Coax Color Code	Red, Green, Blue, Black, White
Overall Jacket	Black Plenum PVC, .315" O.D.



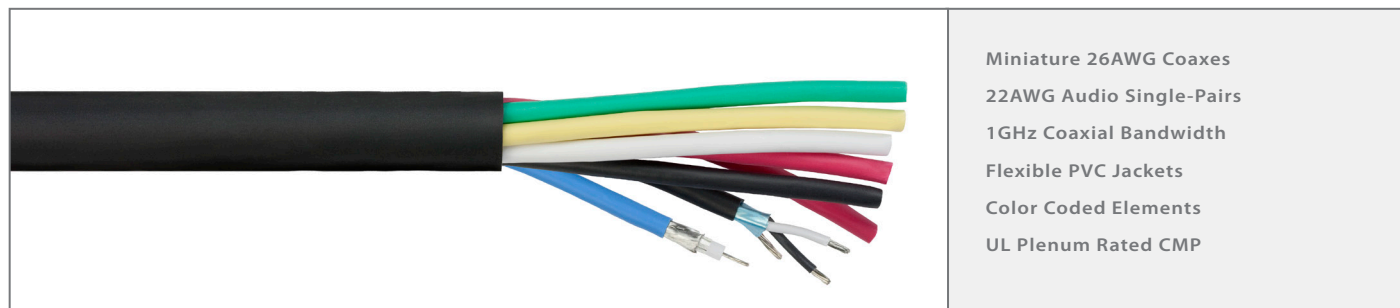
Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature	UL Rating	Weight	Bend Radius	Coax Attenuation (dB/100 feet)			
									100 MHz	200 MHz	400 MHz	1 GHz
75Ω (+/-3)	>15 dB (1MHz - 1GHz)	Conductor: 31.0 Ω/Mft Shield: 17.8 Ω/Mft	16.0 pF/ft	85%	0°C to 75°C	CL2P	78 lbs/Mft	3.2"	5.1	7.1	10.5	17.9

The RGB5SP is a plenum rated, miniature component video cable for permanent installation applications. The five video elements are constructed from 25AWG, solid copper, 75Ω coaxial cables that are rated to 1GHz for high resolution video transmission. The outer jacket is extruded from a plenum PVC compound that is easy-to-strip and more flexible than typical plenum rated compounds.

RGB6V2AP

Plenum Six Coax and Two-Pair Audio Snake

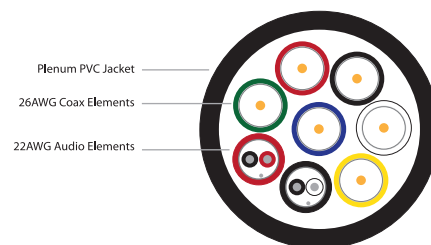


- Miniature 26AWG Coaxes
- 22AWG Audio Single-Pairs
- 1GHz Coaxial Bandwidth
- Flexible PVC Jackets
- Color Coded Elements
- UL Plenum Rated CMP

Part Number: **RGB6V2AP**
 Description: **Plenum Six Coax and Two-Pair Audio Snake Cable**

Materials & Dimensions

Audio Elements	22AWG (19x34) TC Conductors (2 per single-pair) Plenum PVC Insulation .007" wall 100% Foil Shield 22AWG (7x30) TC Drain Wire Plenum PVC Pair Jacket .108" O.D.
Video Elements	26AWG (7x34) TC Conductor (1 per coax) Foam FEP, .074" O.D. 100% Foil & 95% TC Spiral Shields Plenum PVC Coax Jacket .102" O.D.
Overall Jacket	Plenum PVC, Black



Coax Elements	Coax Color Code	Audio Pair Elements	Audio Pair Color Code	Overall Diameter	Weight	Bend Radius
6	Red, Green, Blue, Black, White, Yellow	2	Black, Red	.387"	70 lbs/Mft	3.9"

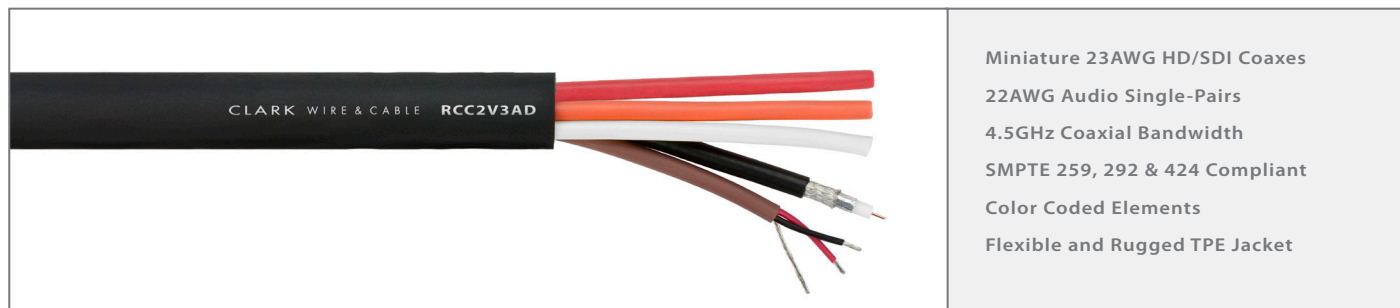
Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature	UL Rating	Coax Attenuation (dB/100 feet)			
							100 MHz	200 MHz	400 MHz	1 GHz
Coax Elements: 75Ω (+/-3)	Coax Elements: >15 dB (1MHz - 1GHz)	Coax Elements: Conductor: 38.5 Ω/Mft Shield: 17.8 Ω/Mft Single-Pair Elements: Conductor: 13.9 Ω/Mft Drain & Shield: 12.2 Ω/Mft	Coax Elements: 16.4 pF/ft Single-Pair Elements: 47.7 pF/ft between conductors, 85.9 pF/ft between one conductor and other in common with shield	Coax Elements: 83%	0°C to 75°C	CMP	5.6	8.2	12.0	21.4

The RGB6V2AP is a plenum rated, hybrid audio and video cable for permanent installation applications. The six video elements are constructed from 26AWG miniature 75Ω coaxial cables that are rated to 1GHz for high resolution video transmission. Audio elements are constructed from two 22AWG shielded twisted-pair cables. Each audio and video element is uniquely color coded for quick identification. The outer jacket is extruded from a plenum PVC compound that is easy-to-strip and more flexible than typical plenum rated compounds.

RCC-D Series

Thin Profile Composite A/V Snake Cables

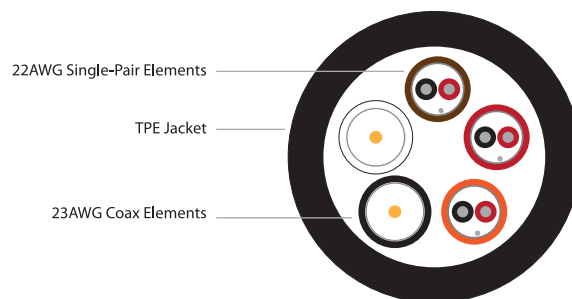


Miniature 23AWG HD/SDI Coaxes
22AWG Audio Single-Pairs
4.5GHz Coaxial Bandwidth
SMPTE 259, 292 & 424 Compliant
Color Coded Elements
Flexible and Rugged TPE Jacket

Part Number: **RCC-D Series** (see below for variations)
 Description: **Thin Profile Composite A/V Snake Cables**

Materials & Dimensions

Audio Elements	22AWG (7x30) TC Conductors (2 per single-pair) Polypropylene Insulation .008" wall (red & black) 100% Bonded Foil Shield 22AWG (7x30) TC Drain Wire PVC Pair Jacket .132" O.D.
Video Elements	23AWG Solid BC Conductor (1 per coax) Gas-Injected Foam PE, .100" O.D. 100% Foil & 95% TC Braid Shields PVC Coax Jacket .159" O.D.
Overall Jacket	Black TPE (see below for overall cable diameters)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature	Coax Attenuation (dB/100 feet)			
Coax Elements: 75Ω (+/-2)	Coax Elements: >23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Coax Elements: Conductor: 20 Ω/Mft Shield: 7.6 Ω/Mft Single-Pair Elements: Conductor: 14.4 Ω/Mft Drain & Shield: 12.5 Ω/Mft	Coax Elements: 16.4 pF/ft Single-Pair Elements: 25.7 pF/ft between conductors, 47.3 pF/ft between one conductor and other in common with shield	Coax Elements: 83%	-30°C to 75°C	135 MHz	1 GHz	3 GHz	4.5 GHz
						3.8	10.5	18.5	22.8

Product Variations

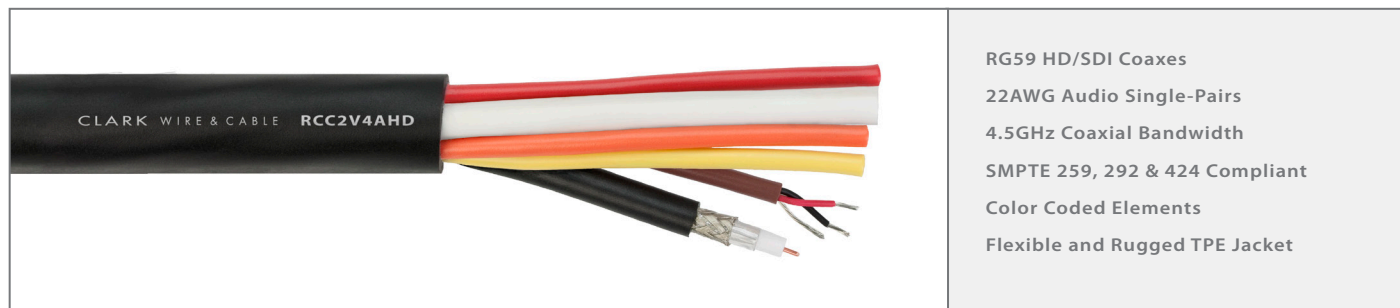
Part Number	Coax Elements	Coax Color Code	Audio Pair Elements	Audio Pair Color Code	Overall Diameter	Weight	Bend Radius
RCC2V3AD	2	Black, White	3	Brown, Red, Orange	.550"	152 lbs/Mft	5.3"
RCC2V5AD	2	Black, White	5	Brown, Red, Orange, Yellow, White	.580"	190 lbs/Mft	5.8"

The RCC-D series cables are hybrid audio and video cables designed for remote broadcast, staging and production environments. Each video element is a CD7523 miniature 23AWG HD/SDI coax cable that is rated to 4.5GHz for high definition SMPTE 424M, 292M and 259M video data transmission. The audio elements are made from Clark's SPA22GS low-loss 22AWG single-pair cables. Each audio and video element is uniquely color coded for quick identification. The outer jacket is extruded from a TPE compound that is extra-flexible, rugged and abrasion resistant.

See CD7523 specifications on page 8 for additional coax attenuation specifications and HD/SDI transmission distances.

RCC-HD Series

RG59 Composite A/V Snake Cables

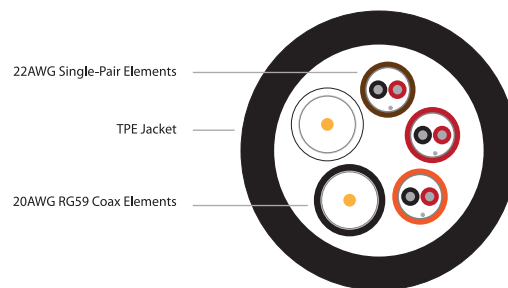


RG59 HD/SDI Coaxes
 22AWG Audio Single-Pairs
 4.5GHz Coaxial Bandwidth
 SMPTE 259, 292 & 424 Compliant
 Color Coded Elements
 Flexible and Rugged TPE Jacket

Part Number: **RCC-HD Series** (see below for variations)
 Description: **RG59 Composite A/V Snake Cables**

Materials & Dimensions

Audio Elements	22AWG (7x30) TC Conductors (2 per single-pair) Polypropylene Insulation .008" wall (red & black) 100% Bonded Foil Shield 22AWG (7x30) TC Drain Wire PVC Pair Jacket .132" O.D.
Video Elements	20 AWG Solid BC Conductor (1 per coax) Gas-Injected Foam PE, .146" O.D. 100% Foil & 95% TC Braid Shields PVC Coax Jacket .242" O.D.
Overall Jacket	Black TPE (see below for overall cable diameters)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature	Coax Attenuation (dB/100 feet)			
						135 MHz	1 GHz	3 GHz	4.5 GHz
Coax Elements: 75Ω (+/-2)	Coax Elements: >23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Coax Elements: Conductor: 10.0 Ω/Mft Shield: 3.8 Ω/Mft Single-Pair Elements: Conductor: 14.4 Ω/Mft Drain & Shield: 12.5 Ω/Mft	Coax Elements: 16.3 pF/ft Single-Pair Elements: 25.7 pF/ft between conductors, 47.3 pF/ft between one conductor and other in common with shield	Coax Elements: 83%	-30°C to 75°C	2.7	7.6	13.3	16.4
						135 MHz	1 GHz	3 GHz	4.5 GHz

Product Variations

Part Number	Coax Elements	Coax Color Code	Audio Pair Elements	Audio Pair Color Code	Overall Diameter	Weight	Bend Radius
RCC1V2AHD	1	Black	2	Brown, Red	.490"	130 lbs/Mft	4.9"
RCC1V3AHD	1	Black	3	Brown, Red, Orange	.550"	150 lbs/Mft	5.5"
RCC2V3AHD	2	Black, White	3	Brown, Red, Orange	.650"	210 lbs/Mft	6.5"
RCC2V4AHD	2	Black, White	4	Brown, Red, Orange, Yellow	.675"	240 lbs/Mft	6.8"
RCC3V4AHD	3	Black, White, Grey	4	Brown, Red, Orange, Yellow	.745"	285 lbs/Mft	7.5"
RCC3V6AHD	3	Black, White, Grey	6	Brown, Red, Orange, Yellow, Green, Blue	.780"	325 lbs/Mft	7.8"
RCC4V4AHD	4	Black, White, Grey, Violet	4	Brown, Red, Orange, Yellow	.815"	340 lbs/Mft	8.2"

The RCC-HD series cables are hybrid audio and video cables designed for remote broadcast, staging and production environments. Each video element is a CD7559 20AWG RG59 HD/SDI coax cable that is rated to 4.5GHz for high definition SMPTE 424M, 292M and 259M video data transmission. The audio elements are made from Clark's SPA22GS low-loss 22AWG single-pair cables. Each audio and video element is uniquely color coded for quick identification. The outer jacket is extruded from a TPE compound that is extra-flexible, rugged and abrasion resistant.

See CD7559 specifications on page 9 for additional coax attenuation specifications and HD/SDI transmission distances.

RCC-HDP Series

RG59 Composite A/V and Power Snake Cables

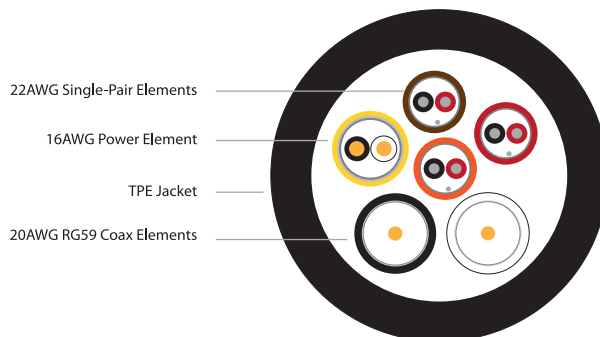


RG59 HD/SDI Coaxes
 22AWG Audio Single-Pairs
 Shielded 16AWG Power Pair
 4.5GHz Coaxial Bandwidth
 SMPTE 259, 292 & 424 Compliant
 Flexible and Rugged TPE Jacket

Part Number: **RCC-HDP Series** (see below for variations)
 Description: **RG59 Composite A/V and Power Snake Cables**

Materials & Dimensions

Audio Elements	22AWG (7x30) TC Conductors (2 per single-pair) Polypropylene Insulation .008" wall (red & black) 100% Bonded Foil Shield 22AWG (7x30) TC Drain Wire PVC Pair Jacket .132" O.D.
Video Elements	20 AWG Solid BC Conductor (1 per coax) Gas-Injected Foam PE, .146" O.D. 100% Foil & 95% TC Braid Shields PVC Coax Jacket .242" O.D.
Power Elements	16AWG (19x29) BC Conductors (2 per single-pair) PVC Insulation .010" wall (white & black) 100% Foil Shield & 92% TC Braid PVC Pair Jacket .225" O.D.
Overall Jacket	Black TPE (see below for overall cable diameters)



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature	Coax Attenuation (dB/100 feet)			
						135 MHz	1 GHz	3 GHz	4.5 GHz
Coax Elements: 75Ω (+/-2)	Coax Elements: >23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Coax Elements: Conductor: 10.0 Ω/Mft Shield: 3.8 Ω/Mft Single-Pair Elements: Conductor: 14.4 Ω/Mft Drain & Shield: 12.5 Ω/Mft Power-Pair Element: Conductor: 4.5 Ω/Mft Shield: 4.2 Ω/Mft	Coax Elements: 16.3 pF/ft Single-Pair Elements: 25.7 pF/ft between conductors, 47.3 pF/ft between one conductor and other in common with shield	Coax Elements: 83%	-30°C to 75°C	2.7	7.6	13.3	16.4

Product Variations

Part Number	Coax Elements	Coax Color Code	Audio Pair Elements	Audio Pair Color Code	Power Elements	Power Color Code	Overall Diameter	Weight	Bend Radius
RCC1V2AHDP	1	Black	2	Brown, Red	1	Yellow	.660"	230 lbs/Mft	6.6"
RCC2V3AHDP	2	Black, White	3	Brown, Red, Orange	1	Yellow	.695"	315 lbs/Mft	7.0"
RCC3V4AHDP	3	Black, White, Grey	4	Brown, Red, Orange, Green	1	Yellow	.860"	405 lbs/Mft	8.6"

See CD7559 specifications on page 9 for additional coax attenuation specifications and HD/SDI transmission distances.

Video Cable Appendix

Common Connectors to Clark Cable Cross Reference

BNC Crimp Connectors

Clark Cable Part Number	ADC Brand	Kings Brand	Neutrik Brand	Canare Brand	Amphenol Brand
59x Series	BNC-1	2065-2-9	NBNC75BJP9	BCP-C4F	BNC-112507
CD7506	BNC-8	2065-10-9	NBNC75BTU11	BCP-B53	BNC-112565
CD7506D	BNC-8	2065-10-9	NBNC75BTU11	BCP-B53	BNC-112565
CD7506DB	BNC-8	2065-10-9	NBNC75BTU11	BCP-B53	BNC-112565
CD7506P	BNC-10	2065-10-9	NBNC75BQP11	BCP-C55A	BNC-112519
CD7511	BNC-25	2065-8-9	NBNC75BVZ17	BCP-C71A	BNC-112606
CD7511P	BNC-25	2065-8-9	---	---	---
CD7523	BNC-13	2065-11-9	NBNC75BDD6	BCP-B26	BNC-112521
CD7559	BNC-1	2065-2-9	NBNC75BJP9	BCP-C4F	BNC-112507
CD7559F	BNC-1	2065-2-9	NBNC75BJP9	BCP-C4F	BNC-112507
CD7559P	BNC-6	2065-2-9	NBNC75BIJ9	BCP-32	---
DSM Series	BNC-13	2065-11-9	NBNC75BDD6	BCP-B26	BNC-112521
RCC-D Series	BNC-13	2065-11-9	NBNC75BDD6	BCP-B26	BNC-112521
RCC-HD Series	BNC-1	2065-2-9	NBNC75BJP9	BCP-C4F	BNC-112507
RG6HD5	BNC-8	2065-10-9	NBNC75BTU11	BCP-B53	BNC-112565
RGB5SP	BNC-16	2065-29-9	---	---	---
RGB6V2AP	BNC-16	2065-29-9	---	---	---

F-Type Crimp Connectors

Clark Cable Part Number	ADC Brand	Canare Brand
59x Series	CF-1	FP-C4F
CD7506	CF-8	FP-C53
CD7506D	CF-8	FP-C53
CD7506DB	CF-8	FP-C53
CD7506P	---	FP-C55
CD7523	CF-13	---
CD7559	CF-1	FP-C4F
CD7559F	CF-1	FP-C4F
DSM Series	CF-13	---
RCC-HD Series	CF-1	FP-C4F
RG6HD5	CF-8	FP-C53

Video Cable Appendix

Common Connectors to Clark Cable Cross Reference

RCA Crimp Connectors

Clark Cable Part Number	ADC Brand	Kings Brand	Canare Brand
59x Series	CRCA-1	3345-1-9	RCAP-C4F
CD7506	CRCA-8	3345-2-9	RCAP-C53
CD7506D	CRCA-8	3345-2-9	RCAP-C53
CD7506DB	CRCA-8	3345-2-9	RCAP-C53
CD7506P	CRCA-8	3345-2-9	RCAP-C53
CD7523	CRCA-13	3345-3-9	RCAP-C25F
CD7559	CRCA-1	3345-1-9	RCAP-C4F
CD7559F	CRCA-1	3345-1-9	RCAP-C4F
CD7559P	---	3345-1-9	RCAP-C4F
DSM Series	CRCA-13	3345-3-9	RCAP-C25F
RCC-D Series	CRCA-13	3345-3-9	RCAP-C25F
RCC-HD Series	CRCA-1	3345-1-9	RCAP-C4F
RG6HD5	CRCA-8	3345-2-9	RCAP-C53
RGB5SP	CRCA-16	3345-4-9	---
RGB6V2AP	CRCA-16	3345-4-9	---

Camera Cable

PART NUMBER INDEX

Page	Part Number	Description
30	HFCTP	9.2mm SMPTE 311 Hybrid Fiber
31	HFCPV	Riser Rated 9.2mm SMPTE 311 Hybrid Fiber
32	HFCDB	Direct Burial 9.2mm SMPTE 311 Hybrid Fiber
33	HFCHD	Heavy Duty 9.2mm SMPTE 311 Hybrid Fiber
34	CW1622	SMPTE Camera Electrical Cable
35	CW1622P	Plenum SMPTE Camera Electrical Cable
36	TV7559D	Digital 75Ω Extra-Flexible RG59 Triax
37	TV7511D	Digital 75Ω Extra-Flexible RG11 Triax
38	TV7511DR	Digital 75Ω Riser Rated RG11 Triax
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40	Appendix	Triax Connector Cross Reference Charts
41	Appendix	SMPTE 304M Fiber Connector Cross Reference Charts

Cabling for broadcast camera video standards in studio or harsh environments.

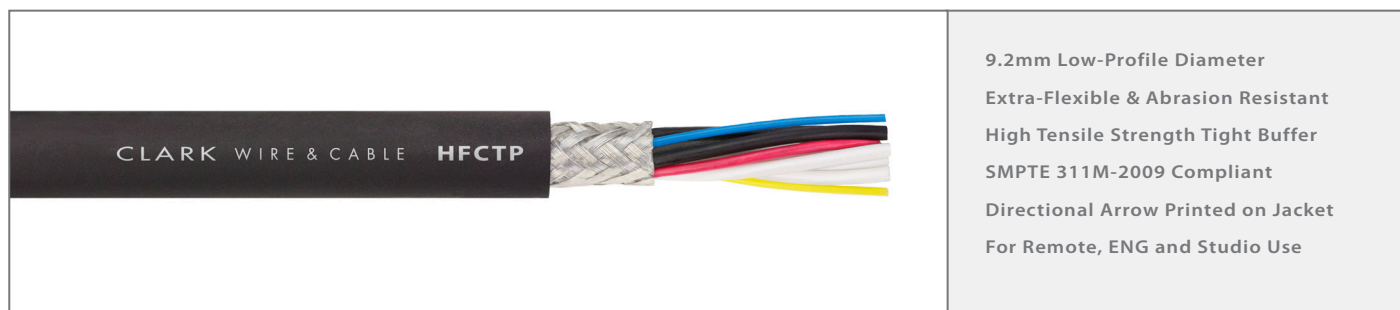
Clark Wire & Cable's camera cables have each been designed to the unique requirements of current and legacy camera systems and standards. Available in copper and hybrid designs, Clark delivers the most complete range of camera cabling solutions in constructions that are built to withstand the environments of remote broadcast and staging applications.

Made with the same precision found in Clark's video and fiber cables, Clark camera cables meet or exceed the requirements of current SMPTE camera cable standards to ensure reliable and dependable performance.



HFCTP

9.2mm SMPTE 311 Hybrid Fiber Camera Cable

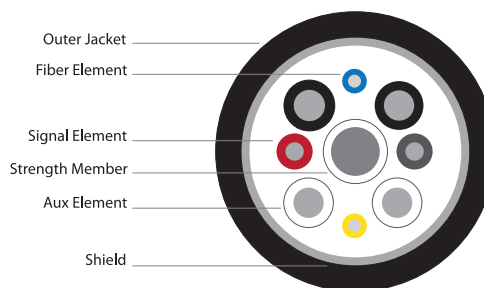


9.2mm Low-Profile Diameter
 Extra-Flexible & Abrasion Resistant
 High Tensile Strength Tight Buffer
 SMPTE 311M-2009 Compliant
 Directional Arrow Printed on Jacket
 For Remote, ENG and Studio Use

Part Number: **HFCTP**
 Description: 9.2mm SMPTE 311M Hybrid Fiber Camera Cable

Materials & Dimensions

Fiber Elements	(2) 8.9u Single-Mode, 900u CPE Tight Buffer (one yellow, one blue)
Aux Elements	(4) 20AWG (19 x 32AWG) TC Conductors, PE Insulation .057" O.D. (two black, two white)
Signal Elements	(2) 24AWG (7 x 32AWG) TC Conductors, PE Insulation .044" O.D. (one red, one grey)
Strength Elements	(1) 16AWG Galvanized Steel (19 x 29AWG) (white)
Shield	95% TC Braid
Outer Jacket	Abrasion Resistant, Extra Flexible TPE 9.2mm (.362") O.D.



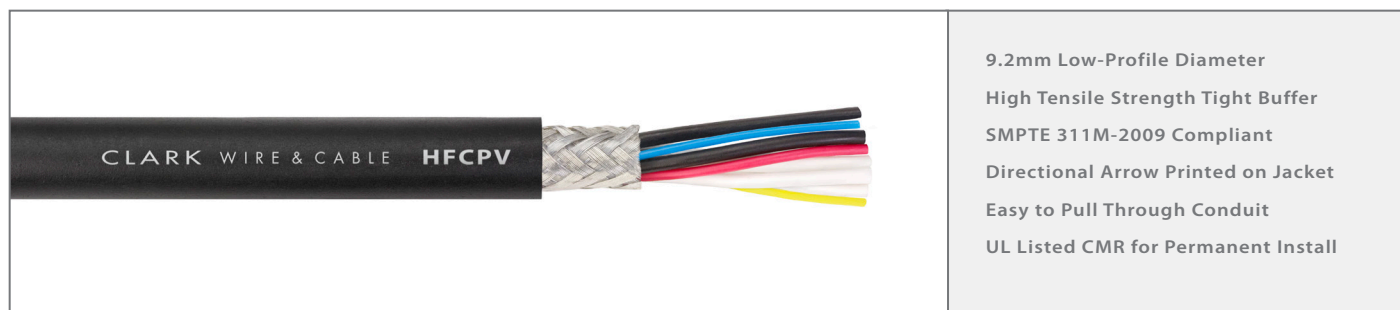
Performance Characteristics

DC Resistance	Insulation Resistance	Dielectric Strength	Optical Attenuation	Bend Radius	Tensile Strength	Temperature Range	Weight
Aux: 9.6 Ω/Mft Signal: 23.5 Ω/Mft Shield: 5.2 Ω/Mft	Aux: >10M Ω/km Signal: >10M Ω/km	3000V RMS	<0.70 dB/km (1250nm-1625nm)	2.54"	700 N (min)	-40°C to 75°C	91 lbs/Mft

Clark Wire & Cable's HFCTP is a precision engineered SMPTE 311M cable designed for use in portable, studio or hostile environment applications. With two single-mode fibers for multiplexed video, audio and data, the HFCTP delivers exceptionally low-loss for HD camera to CCU interconnects. All copper conductors are insulated with a polyethylene dielectric for exceptional heat and current leakage resistance. For added durability, the two single-mode fiber elements are coated with a high tensile strength CPE tight buffer that achieves three times the tensile strength as compared to typical PVC tight buffer compounds. The outer jacket is extruded from a flexible and abrasion resistant TPE compound that is suitable for use in studio or outdoor environments.

HFCPV

Riser Rated 9.2mm SMPTE 311 Hybrid Fiber Camera Cable

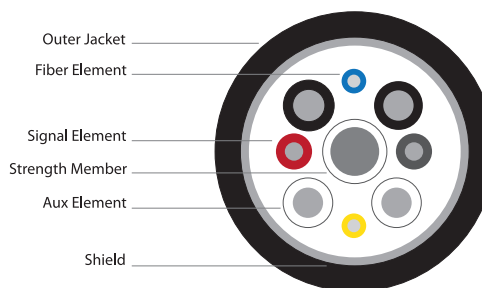


- 9.2mm Low-Profile Diameter
- High Tensile Strength Tight Buffer
- SMPTE 311M-2009 Compliant
- Directional Arrow Printed on Jacket
- Easy to Pull Through Conduit
- UL Listed CMR for Permanent Install

Part Number: **HFCPV**
 Description: 9.2mm Riser Rated SMPTE 311M Hybrid Fiber Camera Cable

Materials & Dimensions

Fiber Elements	(2) 8.9u Single-Mode, 900u CPE Tight Buffer (one yellow, one blue)
Aux Elements	(4) 20AWG (19 x 32AWG) TC Conductors, PE Insulation .057" O.D. (two black, two white)
Signal Elements	(2) 24AWG (7 x 32AWG) TC Conductors, PE Insulation .044" O.D. (one red, one grey)
Strength Member	(1) 16AWG Galvanized Steel (19 x 29AWG) (white)
Shield	95% TC Braid
Outer Jacket	PVC 9.2mm (.362") O.D.



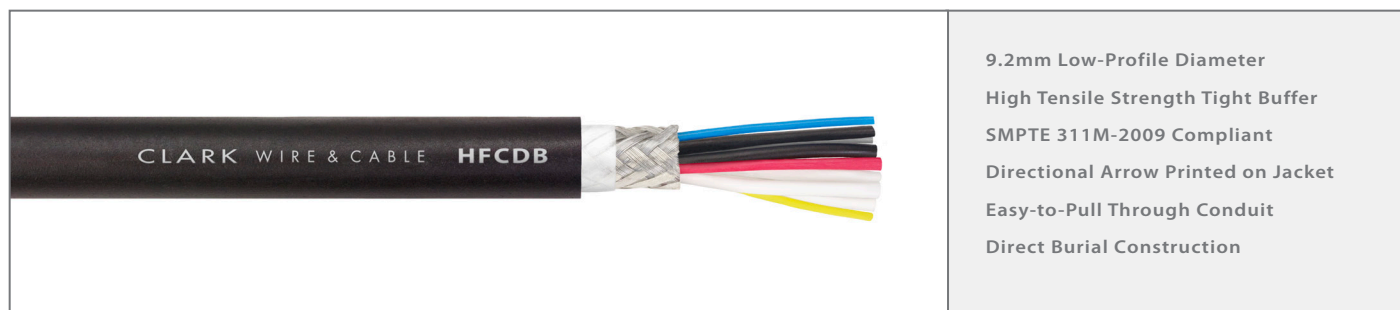
Performance Characteristics

DC Resistance	Insulation Resistance	Dielectric Strength	Optical Attenuation	Bend Radius	Tensile Strength	Temperature Range	Weight	UL Listing
Aux: 9.6 Ω/Mft Signal: 23.5 Ω/Mft Shield: 5.2 Ω/Mft	Aux: >10M Ω/km Signal: >10M Ω/km	3000V RMS	<0.70 dB/km (1250nm-1625nm)	2.54"	700 N (min)	-20°C to 75°C	91 lbs/Mft	CMR

Clark Wire & Cable's HFCPV is a precision engineered SMPTE 311M cable designed for use in permanent installation applications. With two single-mode fibers for multiplexed video, audio and data, the HFCPV delivers exceptionally low-loss for HD camera to CCU interconnects. All copper conductors are insulated with a polyethylene dielectric for exceptional heat and current leakage resistance. For added durability, the two single-mode fiber elements are coated with a high tensile strength CPE tight buffer that achieves three times the tensile strength as compared to typical PVC tight buffer compounds. The outer jacket is extruded from a flame retardant PVC compound that is easy-to-pull through conduit and UL listed CMR for permanent installation in most applications.

HFCDB

Direct Burial 9.2mm SMPTE 311 Hybrid Fiber Camera Cable

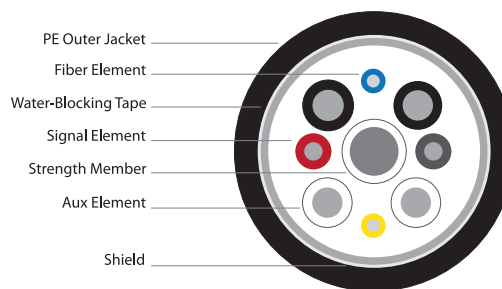


- 9.2mm Low-Profile Diameter
- High Tensile Strength Tight Buffer
- SMPTE 311M-2009 Compliant
- Directional Arrow Printed on Jacket
- Easy-to-Pull Through Conduit
- Direct Burial Construction

Part Number: **HFCDB**
 Description: 9.2mm Direct Burial SMPTE 311M Hybrid Fiber Camera Cable

Materials & Dimensions

Fiber Elements	(2) 8.9u Single-Mode, 900u CPE Tight Buffer (one yellow, one blue)
Aux Elements	(4) 20AWG (19 x 32AWG) TC Conductors, PE Insulation .057" O.D. (two black, two white)
Signal Elements	(2) 24AWG (7 x 32AWG) TC Conductors, PE Insulation .044" O.D. (one red, one grey)
Strength Member	(1) 16AWG Galvanized Steel (19 x 29AWG) (white)
Shield	95% TC Braid
Barrier	Water-Blocking Tape
Outer Jacket	Black Polyethylene
Overall Diameter	9.2mm (.362") O.D.



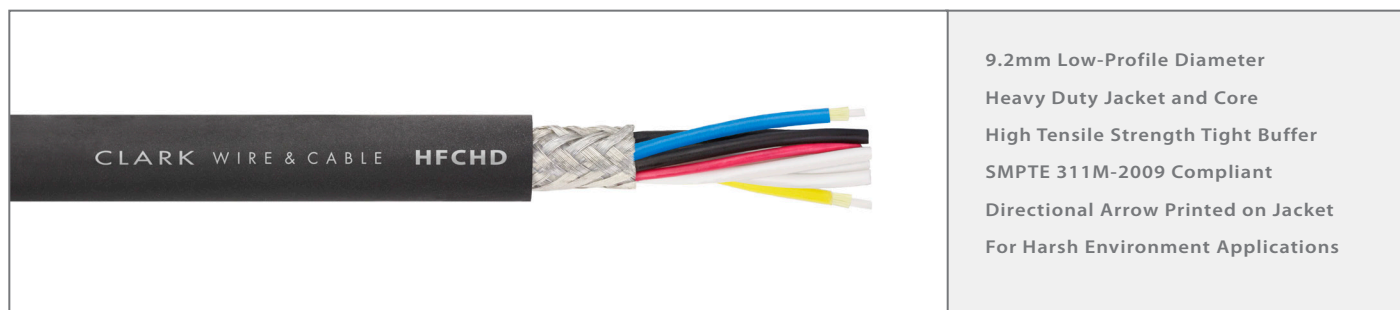
Performance Characteristics

DC Resistance	Insulation Resistance	Dielectric Strength	Optical Attenuation	Bend Radius	Tensile Strength	Weight
Aux: 9.6 Ω/Mft Signal: 23.5 Ω/Mft Shield: 5.2 Ω/Mft	Aux: >10M Ω/km Signal: >10M Ω/km	3000V RMS	<0.70 dB/km (1250nm-1625nm)	2.54"	700 N (min)	93 lbs/Mft

Clark Wire & Cable's HFCDB is a precision engineered SMPTE 311M cable designed for use in permanent installation applications. With two single-mode fibers for multiplexed video, audio and data, the HFCDB delivers exceptionally low-loss for HD camera to CCU interconnects. All copper conductors are insulated with a polyethylene dielectric for exceptional heat and current leakage resistance. For added durability, the two single-mode fiber elements are coated with a high tensile strength CPE tight buffer that achieves three times the tensile strength as compared to typical PVC tight buffer compounds. For direct burial applications, the HFCDB features a puncture resistant polyethylene outer jacket and a water-blocking tape that wraps around the inner core to provide an additional level of protection by absorbing moisture in the event the jacket is penetrated.

HFCHD

9.2mm Heavy Duty SMPTE 311 Hybrid Fiber Camera Cable

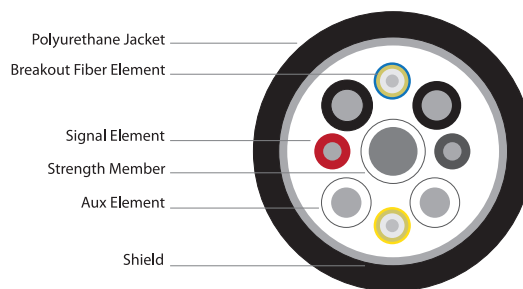


9.2mm Low-Profile Diameter
 Heavy Duty Jacket and Core
 High Tensile Strength Tight Buffer
 SMPTE 311M-2009 Compliant
 Directional Arrow Printed on Jacket
 For Harsh Environment Applications

Part Number: **HFCHD**
 Description: 9.2mm SMPTE 311M Hybrid Fiber Camera Cable

Materials & Dimensions

Fiber Elements	(2) 8.9u Single-Mode, 900u CPE Tight Buffered Fibers with an Aramid Filler and PVC Jacket per Element .063" OD (one yellow, one blue)
Aux Elements	(4) 20AWG (19 x 32AWG) TC Conductors, PE Insulation .057" O.D. (two black, two white)
Signal Elements	(2) 24AWG (7 x 32AWG) TC Conductors, PE Insulation .044" O.D. (one red, one grey)
Strength Elements	(1) 16AWG Galvanized Steel (19 x 29AWG) (white)
Shield	95% TC Braid
Outer Jacket	Polyurethane 9.2mm (.362") O.D.



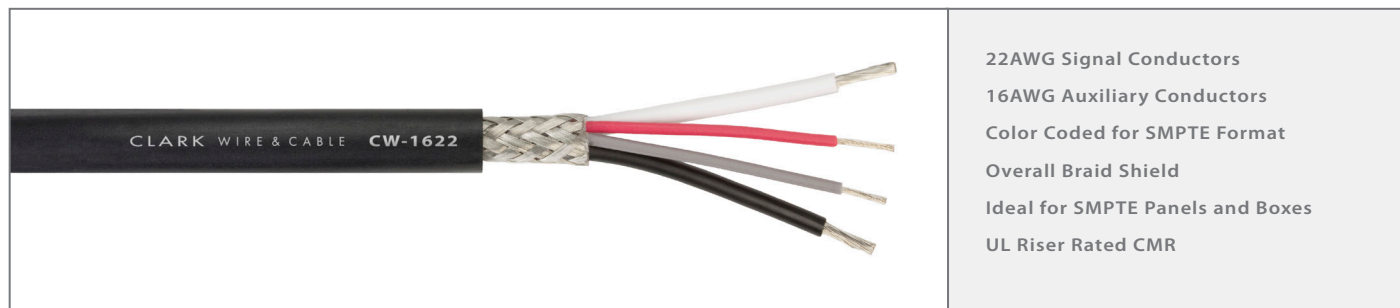
Performance Characteristics

DC Resistance	Insulation Resistance	Dielectric Strength	Optical Attenuation	Bend Radius	Tensile Strength	Temperature Range	Weight
Aux: 9.6 Ω/Mft Signal: 23.5 Ω/Mft Shield: 5.2 Ω/Mft	Aux: >10M Ω/km Signal: >10M Ω/km	3000V RMS	<0.70 dB/km (1250nm-1625nm)	2.54"	700 N (min)	-40°C to 75°C	93 lbs/Mft

Clark Wire & Cable's HFCHD is a precision engineered SMPTE 311M cable designed for use in portable, studio or hostile environment applications. Designed for exceptional durability in outdoor broadcast and mobile production environments, the HFCHD has an added aramid filler and PVC jacket extruded over each fiber element to provide additional strength. For improved ruggedness and puncture resistance, the HFCHD also has an extremely tough polyurethane outer jacket. The two single-mode fibers for multiplexed video, audio and data deliver exceptionally low-loss for HD camera to CCU interconnects. All copper conductors are insulated with a polyethylene dielectric for exceptional heat and current leakage resistance.

CW1622

SMPTE Camera Electrical Cable



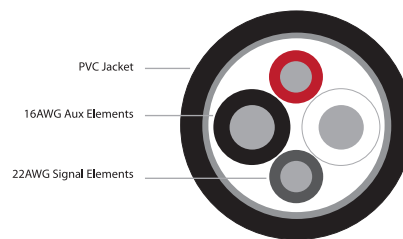
22AWG Signal Conductors
 16AWG Auxiliary Conductors
 Color Coded for SMPTE Format
 Overall Braid Shield
 Ideal for SMPTE Panels and Boxes
 UL Riser Rated CMR

Part Number: **CW1622**
 Description: SMPTE Camera Electrical Cable

Materials & Dimensions

Signal Elements	22AWG (19x34) TC Conductors Polyethylene Insulation, .015" wall
Aux Elements	16AWG (65x34) TC Conductors Polyethylene Insulation, .020" wall
Overall Diameter	90% TC Braid
Overall Jacket	PVC, Black

Signal Elements	Signal Color Code	Aux Elements	Aux Color Code	Overall Diameter	Weight	Bend Radius
2	Red, Grey	2	White, Black	.340"	74 lbs/Mft	3.2"



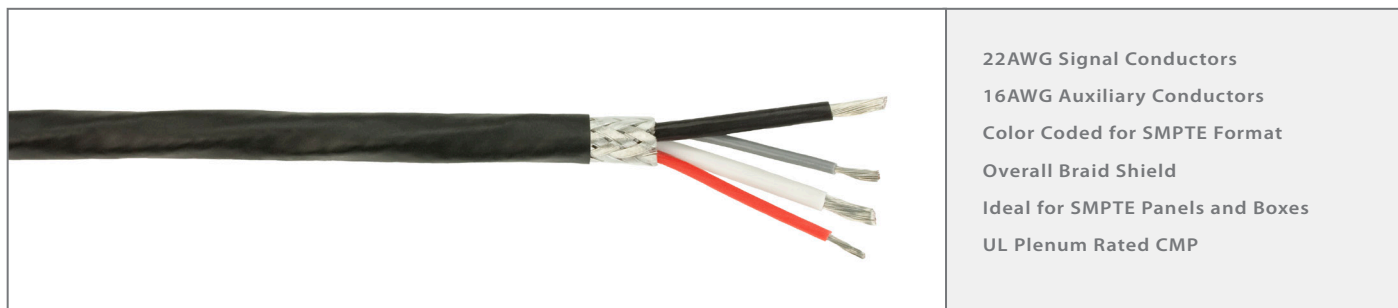
Performance Characteristics

DC Resistance	Insulation Resistance	Standard Compliance	Operating Temperature	UL Rating
Signal Conductor: 13.9 Ω/Mft Aux Conductor: 4.4 Ω/Mft Shield: 2.6 Ω/Mft	>10M Ω/km	Compliant to electrical standards for SMPTE 311M camera cables	-20°C to 75°C	CMR

The CW1622 is a riser rated multi-conductor cable for SMPTE camera applications in permanent installation environments. The shielded 22AWG signal and 16AWG aux elements provide the exact number and type of electrical conductors required for interconnecting all non-optical fiber elements between SMPTE 304M connectors mounted in panels or distribution boxes. UL rated type CMR, the CW1622 can be installed in most permanent installation applications.

CW1622P

Plenum SMPTE Camera Electrical Cable



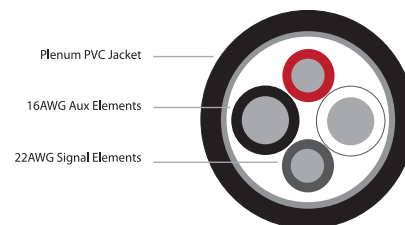
22AWG Signal Conductors
 16AWG Auxiliary Conductors
 Color Coded for SMPTE Format
 Overall Braid Shield
 Ideal for SMPTE Panels and Boxes
 UL Plenum Rated CMP

Part Number: **CW1622P**
 Description: Plenum SMPTE Camera Electrical Cable

Materials & Dimensions

Signal Elements	22AWG (19x34) TC Conductors FEP Insulation, .010" wall
Aux Elements	16AWG (65x34) TC Conductors FEP Insulation, .010" wall
Overall Shield	90% TC Braid
Overall Jacket	Plenum PVC, Black

Signal Elements	Signal Color Code	Aux Elements	Aux Color Code	Overall Diameter	Weight	Bend Radius
2	Red, Grey	2	White, Black	.213"	50 lbs/Mft	2.1"



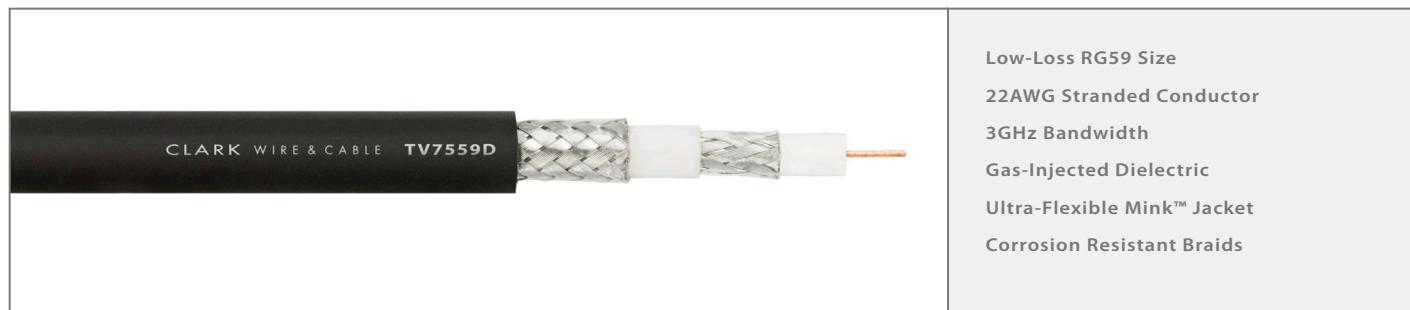
Performance Characteristics

DC Resistance	Insulation Resistance	Standard Compliance	Operating Temperature	UL Rating
<i>Signal Conductor:</i> 13.9 Ω/Mft <i>Aux Conductor:</i> 4.4 Ω/Mft <i>Shield:</i> 2.8 Ω/Mft	>10M Ω/km	Compliant to electrical standards for SMPTE 311M camera cables	0°C to 75°C	CMP

The CW1622P is a plenum rated multi-conductor cable for SMPTE camera applications in permanent installation environments. The shielded 22AWG signal and 16AWG aux elements provide the exact number and type of electrical conductors required for interconnecting all non-optical fiber elements between SMPTE 304M connectors mounted in panels or distribution boxes. UL rated type CMP, the CW1622P can be installed in most plenum rated applications.

TV7559D

Digital 75Ω RG59 Triaxial Camera Cable

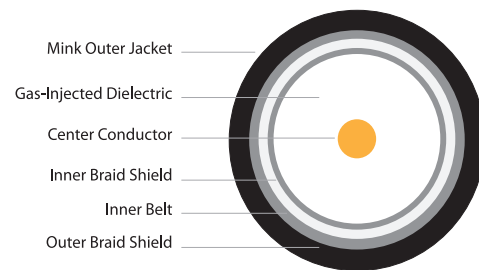


- Low-Loss RG59 Size
- 22AWG Stranded Conductor
- 3GHz Bandwidth
- Gas-Injected Dielectric
- Ultra-Flexible Mink™ Jacket
- Corrosion Resistant Braids

Part Number: **TV7559D**
 Description: Digital 75Ω RG59 Triaxial Camera Cable

Materials & Dimensions

Center Conductor	22AWG (19x34) Stranded BC .031" O.D.
Dielectric	Gas-Injected Foam PE .146" O.D.
Inner Shield	95% TC Braid
Inner Belt	TPE, .220" O.D.
Outer Shield	95% TC Braid
Outer Jacket	Mink™ PVC
Overall Diameter	.350"
Available Colors	Black, Red, Blue



Performance Characteristics

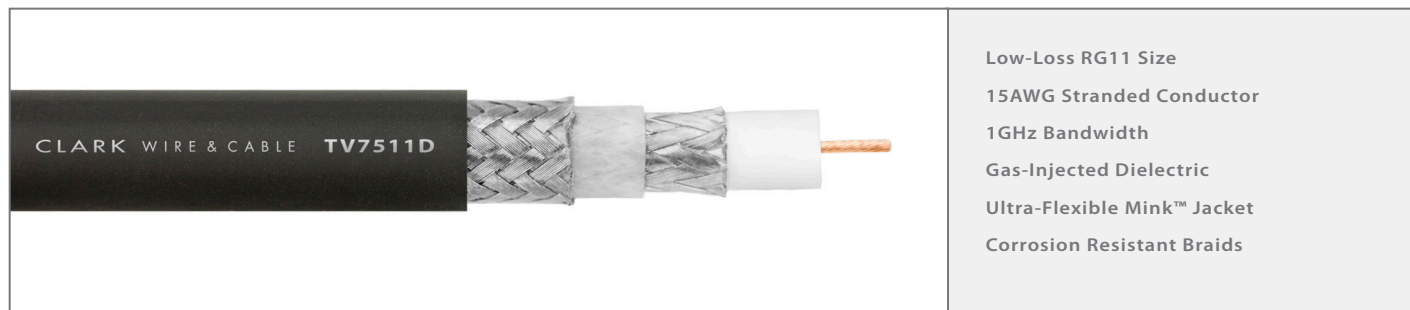
Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight
75Ω (+/-3)	>22 dB (1MHz - 1GHz) >15 dB (1GHz - 3GHz)	Conductor: 14.0 Ω/Mft Inner Shield: 2.6 Ω/Mft Outer Shield: 1.7 Ω/Mft	17.0 pF/ft	78%	124 lbs max.	2.4" min.	-35°C to 75°C	79 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz
Attenuation dB/100 feet	0.29	0.57	0.88	2.2	3.1	4.5	5.4	8.1	10.1	13.2	17.0	20.6
Attenuation dB/100 meters	0.95	1.9	2.9	7.2	10.2	14.8	17.7	26.6	33.1	43.3	55.8	67.6

The TV7559D is a precision RG59 triaxial cable for digital or analog camera applications. Built for modern digital video standards, the TV7559D features a gas-injected dielectric, a 3GHz bandwidth, certified return loss specifications and a precision 75Ω characteristic impedance. The center conductor is made from 22AWG stranded bare copper to improve the flex-life of cable while offering compatibility with connectors designed for standard RG59 solid triax cables. Ideal for use in studio or remote production environments, the TV7559D outer jacket is extruded from Clark's proprietary Mink™ compound for exceptional flexibility and abrasion resistance.

TV7511D

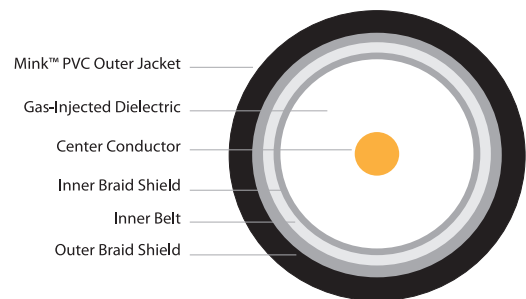
Digital 75Ω RG11 Triaxial Camera Cable



Part Number: **TV7511D**
 Description: Digital 75Ω RG11 Triaxial Camera Cable

Materials & Dimensions

Center Conductor	15AWG (19x27) Stranded BC .064" O.D.
Dielectric	Gas-Injected Foam PE .312" O.D.
Inner Shield	95% TC Braid
Inner Belt	TPE, .392" O.D.
Outer Shield	95% TC Braid
Outer Jacket	Mink™ PVC
Overall Diameter	.515"
Available Colors	Black



Performance Characteristics

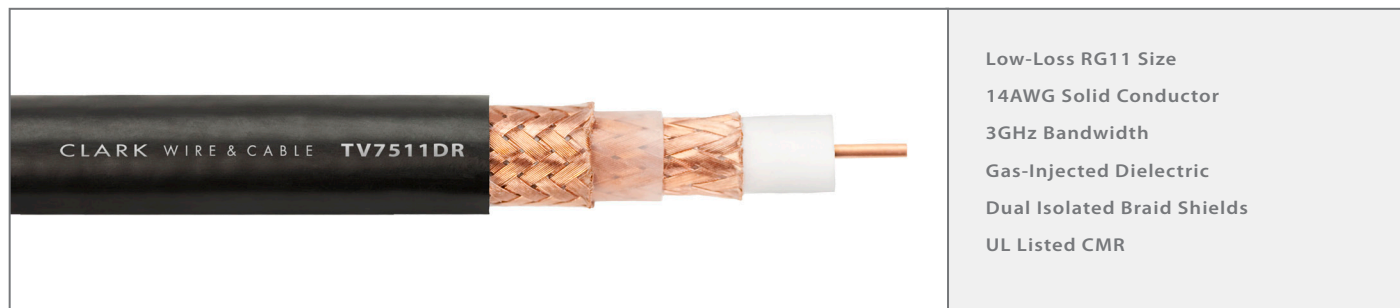
Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight
75Ω (+/-3)	>20 dB (1MHz - 1GHz)	Conductor: 2.9 Ω/Mft Inner Shield: 1.4 Ω/Mft Outer Shield: 1.5 Ω/Mft	17.1 pF/ft	78%	263 lbs max.	5.2" min.	-30°C to 75°C	157 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz
Attenuation dB/100 feet	0.14	0.29	0.43	1.1	1.5	2.3	2.9	4.1	5.0
Attenuation dB/100 meters	0.46	0.95	1.4	3.6	4.9	7.5	9.5	13.5	16.4

The TV7511D is a precision RG11 triaxial cable for digital or analog camera applications. Built for modern digital video standards, the TV7511D features a gas-injected dielectric, a 1GHz bandwidth, certified return loss specifications and a precision 75Ω characteristic impedance. The center conductor is made from 15AWG stranded bare copper to improve the flex-life and flexibility of the cable. Ideal for use in studio or remote production environments, the TV7511D outer jacket is extruded from Clark's Mink PVC compound that is exceptionally flexible and abrasion resistant.

TV7511DR

Digital 75Ω Riser Rated RG11 Triaxial Camera Cable

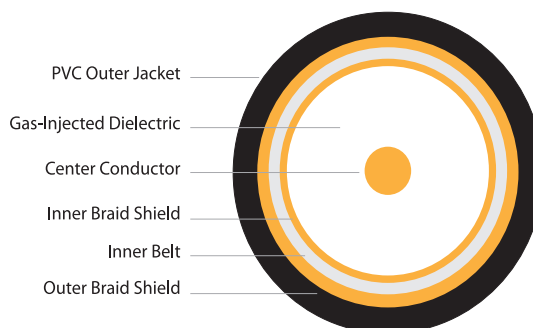


- Low-Loss RG11 Size
- 14AWG Solid Conductor
- 3GHz Bandwidth
- Gas-Injected Dielectric
- Dual Isolated Braid Shields
- UL Listed CMR

Part Number: **TV7511DR**
 Description: Digital 75Ω Riser Rated RG11 Triaxial Camera Cable

Materials & Dimensions

Center Conductor	14AWG Solid BC .064" O.D.
Dielectric	Gas-Injected Foam PE .285" O.D.
Inner Shield	95% BC Braid
Inner Belt	PVC, .365" O.D.
Outer Shield	95% BC Braid
Outer Jacket	PVC
Overall Diameter	.475"
Available Colors	Black



Performance Characteristics

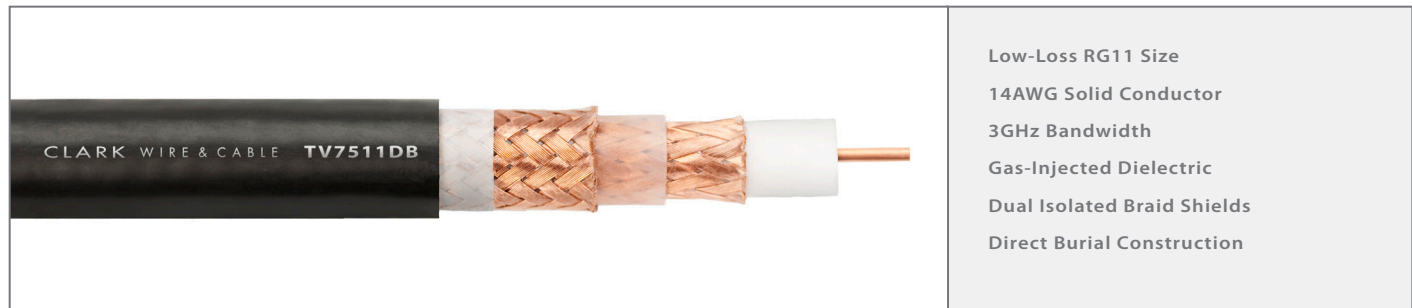
Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	UL Rating	Weight
75Ω (+/-3)	>22 dB (1MHz - 1GHz) >15 dB (1GHz - 3GHz)	Conductor: 2.5 Ω/Mft Inner Shield: 1.6 Ω/Mft Outer Shield: 1.5 Ω/Mft	16.2 pF/ft	84%	170 lbs max.	4.8" min.	-30°C to 75°C	CMR	128 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz
Attenuation dB/100 feet	0.14	0.28	0.42	1.1	1.5	2.3	2.7	4.0	5.0	6.3	7.9	9.6
Attenuation dB/100 meters	0.46	0.92	1.4	3.6	4.9	7.5	10.2	13.1	16.4	20.7	25.9	31.5

The TV7511DR is a precision RG11 triaxial cable for digital or analog camera applications. Built for modern digital video standards, the TV7511DR features a gas-injected dielectric, a 3GHz bandwidth, certified return loss specifications and a precision 75Ω characteristic impedance. The center conductor is made from 14AWG solid bare copper for the lowest available attenuation in a triaxial cable. UL listed CMR, the TV7511DR can be permanently installed in environments that require riser rated cables.

TV7511DB

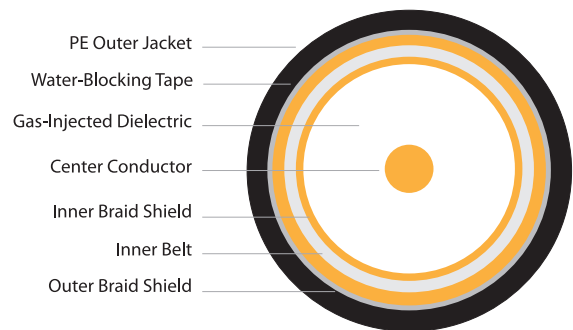
Digital 75Ω Direct Burial RG11 Triaxial Camera Cable



Part Number: **TV7511DB**
 Description: Digital 75Ω Direct Burial RG11 Triaxial Camera Cable

Materials & Dimensions

Center Conductor	14AWG Solid BC .064" O.D.
Dielectric	Gas-Injected Foam PE .285" O.D.
Inner Shield	95% BC Braid
Inner Belt	PVC, .365" O.D.
Outer Shield	95% BC Braid
Barrier	Water-Blocking Tape
Outer Jacket	PE
Overall Diameter	.475"
Available Colors	Black



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Weight
75Ω (+/-3)	>22 dB (1MHz - 1GHz) >15 dB (1GHz - 3GHz)	Conductor: 2.5 Ω/Mft Inner Shield: 1.6 Ω/Mft Outer Shield: 1.5 Ω/Mft	16.2 pF/ft	84%	170 lbs max.	4.8" min.	130 lbs/Mft

Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz
Attenuation dB/100 feet	0.14	0.28	0.42	1.1	1.5	2.3	2.7	4.0	5.0	6.3	7.9	9.6
Attenuation dB/100 meters	0.46	0.92	1.4	3.6	4.9	7.5	10.2	8.9	16.4	20.7	25.9	31.5

The TV7511DB is a precision RG11 triaxial cable for digital or analog camera applications. Built for modern digital video standards, the TV7511DB features a gas-injected dielectric, a 3GHz bandwidth, certified return loss specifications and a precision 75Ω characteristic impedance. The center conductor is made from 14AWG solid bare copper for the lowest available attenuation in a triaxial cable. For direct burial applications, the TV7511DB features a virtually impenetrable polyethylene outer jacket and a water-blocking tape that wraps around the inner core. This construction is extremely puncture resistant and provides an additional level of protection by absorbing moisture within the water-blocking tape in the event that the jacket is penetrated.

Camera Cable Appendix

Common Camera Connector to Clark Cable Cross Reference

Triax Connectors for TV7559D Flexible RG59 Cable

Connector Type	ADC Brand	Kings Brand
MALES		
In-Line	ATCP-B38	7705-2
Panel Mount	ATCP-B38 (with yoke mount)	7702-2 (front mount)
FEMALES		
In-Line	ATCJ-B38	7703-2
Panel Mount	ATCJ-B38 (with yoke mount)	7702-5 (front mount), 7702-8 (rear mount)

Triax Connectors for TV7511D Flexible RG11 Cable

Connector Type	ADC Brand	Kings Brand
MALES		
In-Line	ATCP-C12	7705-3
Panel Mount	ATCP-C12 (with yoke mount)	7702-3 (front mount)
FEMALES		
In-Line	ATCJ-C12	7703-3
Panel Mount	ATCJ-C12 (with yoke mount)	7702-6 (front mount), 7702-9 (rear mount)

Triax Connectors for TV7511DR/DB Permanent Install RG11 Cable

Connector Type	ADC Brand	Kings Brand
MALES		
In-Line	ATCP-A12	7705-1
Panel Mount	ATCP-A12 (with yoke mount)	7702-1 (front mount)
FEMALES		
In-Line	ATCJ-A12	7703-1
Panel Mount	ATCJ-A12 (with yoke mount)	7702-4 (front mount), 7702-7 (rear mount)

Camera Cable Appendix

Common Camera Connector to Clark Cable Cross Reference

SMPTE 304M Connectors

Connector Type	Lemo Brand	Kings Brand
PLUGS		
In-Line	FUW.3K.93W.TLMC96	7765-3-3
Panel Mount	FMW.3K.93C.TLMC96Z	7765-400-F1102
SOCKETS		
In-Line	PUW.3K.93C.TLCC96	7763-3-3
Panel Mount (square flange)	PBW.3K.93C.TLCC96Z	7763-400-F1102
Panel Mount (round flange)	PEW.3K.93C.TLCC96Z	7763-400-F1103

Audio Cable

PART NUMBER INDEX

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46	SPA22GS	22AWG Single-Pair
47	SPA22GSP	Plenum 22AWG Single-Pair
48	RS22G2	22AWG Dual-Pair
49	22EPS2	22AWG Two-Pair Shielded
50	22EPS2P	22AWG Plenum Two-Pair Shielded
51	800 Series	110Ω AES/EBU 24AWG Multi-Pair
52	801	24AWG AES/EBU Digital Single-Pair
53	802	24AWG AES/EBU Digital Dual-Pair
54	900 Series	110Ω AES/EBU Digital 26AWG Multi-Pair
55	901	26AWG AES/EBU Digital Single-Pair
56	FF220	20AWG FieldFlex™ Microphone Cable
57	MINK4™	24AWG Quad Microphone Cable
58	SF224	24AWG StudioFlex™ Thin Profile Microphone Cable
59	SPKR1202	Two Conductor Portable Speaker Cable
60	SPKR1304	Four Conductor Portable Speaker Cable
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62	CW Series	Non-Plenum Permanent Installation Speaker Cables
63	CW-P Series	Plenum Permanent Installation Speaker Cables
64	Appendix	Audio Connector Reference Charts
65	Appendix	Multi-Pair Audio Color Code Charts and Common Pinouts

Audio cable for critical audio interconnects in professional audio systems.

Clark Wire & Cable's audio cables are specifically designed for critical audio systems in recording, commercial, staging and broadcast audio applications. Engineered for low-noise, flexibility and ease of termination, Clark audio cables deliver the performance required for pro-audio applications.

Manufactured in the USA in flexible, UL rated and hybrid constructions, Clark audio cables can be used in the multitude of locations and environments found in commercial audio installations.



700 Series

22 AWG Multi-Pair Audio Cable

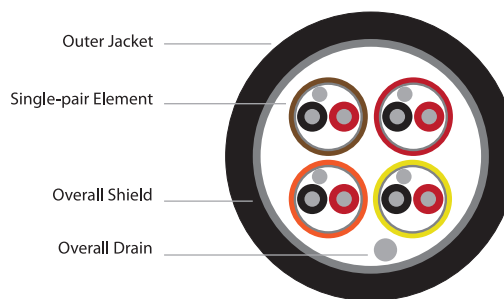


- Extra-Flexible and UL Rated
- Easy-to-Strip and Terminate
- Low-Wick Insulation
- 22AWG Tinned Copper Conductors
- Color Coded Pair Jackets
- CMR Riser Rated

Part Number: **7xx** (see below for variations)
 Description: 22 AWG Multi-Pair Audio Snake Cables

Materials & Dimensions

Conductors	(2) 22AWG (7 x 30) Stranded TC (per pair)
Insulation	Polypropylene .010" wall, (one black, one red)
Shield	100% Alum/Mylar Foil (Easy-Strip Bonded) w/ 22AWG (7 x 30) Stranded TC Drain Wire
Pair Jacket	PVC, .136" O.D. Color Coded (see chart #1 page 65)
Overall Shield	100% Alum/Mylar Foil with 16AWG (19 x 29) Stranded TC Drain Wire
Overall Jacket	Black TPE (see below for individual cable O.D.)



Performance Characteristics

DC Resistance	Capacitance	Temperature Range	UL Listing
Conductor: 14.1 Ω/Mft Shield w/ Drain: 12.5 Ω/Mft	25.7 pF/ft between conductors 47.3 pF/ft between one conductor and other in common with shield	-30 °C to 75°C	CMR

Product Variations

Part Number	Pair Count	Overall Diameter	Weight	Bend Radius
704	4 pair	.425"	116 lbs/Mft	4.3"
706	6 pair	.507"	157 lbs/Mft	5.1"
708	8 pair	.580"	187 lbs/Mft	5.3"
712	12 pair	.665"	255 lbs/Mft	6.7"
716	16 pair	.720"	344 lbs/Mft	7.2"
724	24 pair	.984"	496 lbs/Mft	9.8"
728	28 pair	1.100"	575 lbs/Mft	10.1"

Clark's 700 series multi-pair audio cables deliver multi-purpose performance for field, stage and permanent installation applications. Extra-flexible and easy-to-terminate, the 700 series is both installer and user friendly. The individual audio pairs are color coded and alphanumerically printed for easy identification. Conductors are tinned-copper and insulated with low-wick polypropylene insulation for easy solderability. UL rated and extra-flexible, the 700 series features Clark's unique TPE outer jacket compound that is flexible, abrasion resistant and CMR riser rated.

700-DB Series

Direct Burial 22AWG Multi-Pair Audio Cables

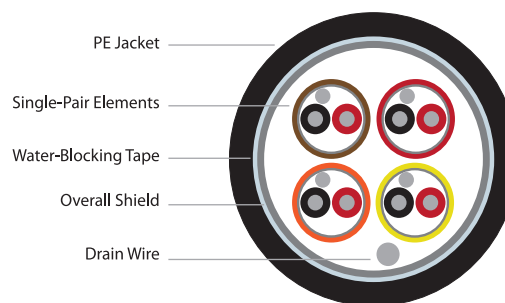


- Direct Burial Construction
- Easy-to-Strip Single-Pair Elements
- Low-Wick Insulation
- 22AWG Tinned Copper Conductors
- Color Coded Pair Jackets
- PE Jacket with Water-Blocking Tape

Part Number: **7xx-DB** (see below for variations)
 Description: Direct Burial 22 AWG Multi-Pair Audio Cables

Materials & Dimensions

Conductors	(2) 22AWG (7 x 30) Stranded TC (per pair)
Insulation	Polypropylene .010" wall, (one black, one red)
Shield	100% Alum/Mylar Foil (Easy-Strip Bonded) w/ 22AWG (7 x 30) Stranded TC Drain Wire
Pair Jacket	PVC, .136" O.D. Color Coded (see chart #1, page 65)
Overall Shield	100% Alum/Mylar Foil with 16AWG (19 x 29) Stranded TC Drain Wire
Barrier	Water-Blocking Tape
Overall Jacket	Black PE (see below for individual cable O.D.)



Performance Characteristics

DC Resistance	Capacitance
Conductor: 14.1 Ω/Mft Shield w/ Drain: 12.5 Ω/Mft	25.7 pF/ft between conductors 47.3 pF/ft between one conductor and other in common with shield

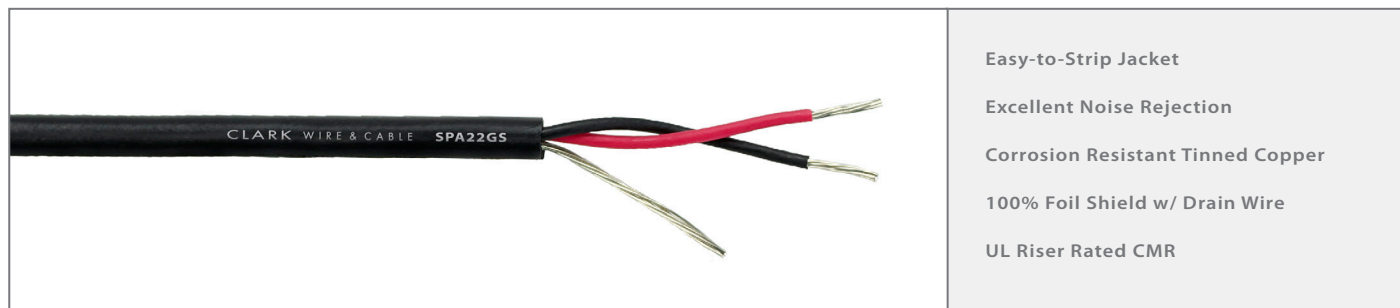
Product Variations

Part Number	Pair Count	Overall Diameter	Weight
704-DB	4 pair	.425"	120 lbs/Mft
706-DB	6 pair	.507"	161 lbs/Mft
708-DB	8 pair	.580"	190 lbs/Mft
712-DB	12 pair	.665"	259 lbs/Mft
716-DB	16 pair	.720"	350 lbs/Mft
724-DB	24 pair	.984"	505 lbs/Mft
728-DB	28 pair	1.100"	590 lbs/Mft

Clark's 700-DB series multi-pair audio cables are built specifically for direct burial, permanent installation applications. The 700-DB series features the same easy-to-terminate single-pair components as Clark's original 700 series, but with a virtually impenetrable polyethylene outer jacket and the addition of a water-blocking tape that wraps around the inner core. This construction is extremely puncture resistant and provides an additional level of protection by absorbing moisture within the water-blocking tape in the event that the jacket is penetrated.

SPA22GS

22AWG Single-Pair Audio Cable

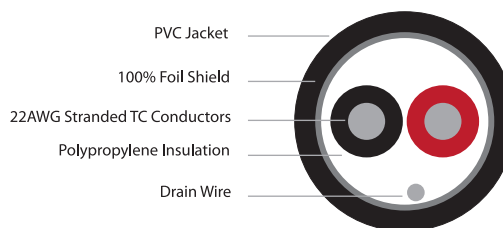


- Easy-to-Strip Jacket
- Excellent Noise Rejection
- Corrosion Resistant Tinned Copper
- 100% Foil Shield w/ Drain Wire
- UL Riser Rated CMR

Part Number: **SPA22GS**
 Description: **Low Noise 22AWG Single-Pair Audio Cable**

Materials & Dimensions

Conductors	(2) 22AWG (7 x 30) Stranded TC
Insulation	Polypropylene, .008" wall, (one red, one black)
Shield	100% Foil with 22AWG (7 x 30) Stranded TC Drain Wire
Jacket	Flexible PVC, .137" O.D.
Available Colors	Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White



Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight	UL Listing
Conductor: 14.4 Ω/Mft Shield w/ Drain: 12.5 Ω/Mft	25.7 pF/ft between conductors 47.3 pF/ft between one conductor and other in common with shield	-20 °C to 75°C	14 lbs/Mft	CMR

Clark's SPA22GS is a low-noise, single-pair audio cable for balanced line level or microphone level applications. Easy to terminate, the SPA22GS features several timesaving features, such as a bonded easy-strip shield and tinned copper conductors that streamline the cable termination process. Excellent common-mode and RF/EMI noise rejection are achieved by a precision twisted pair and 100% foil shield. UL rated CMR for riser applications, the SPA22GS can be installed in a variety of permanent installation environments.

SPA22GSP

Plenum 22AWG Single-Pair Audio Cable

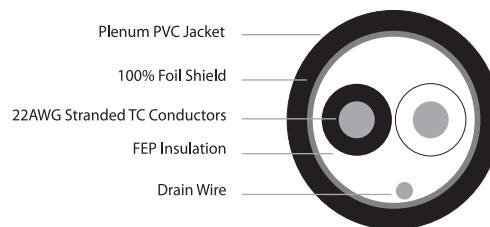


- Easy-to-Strip Jacket
- Excellent Noise Rejection
- Corrosion Resistant Tinned Copper
- 100% Foil Shield w/ Drain Wire
- UL Plenum Rated CMP

Part Number: **SPA22GSP**
 Description: Plenum 22AWG Single-Pair Audio Cable

Materials & Dimensions

Conductors	(2) 22AWG (7 x 30) Stranded TC
Insulation	FEP, .010" wall, (one white, one black)
Shield	100% Foil (bonded) with 24AWG (7 x 32) Stranded TC Drain Wire
Jacket	Plenum PVC, .132" O.D.
Color	Black



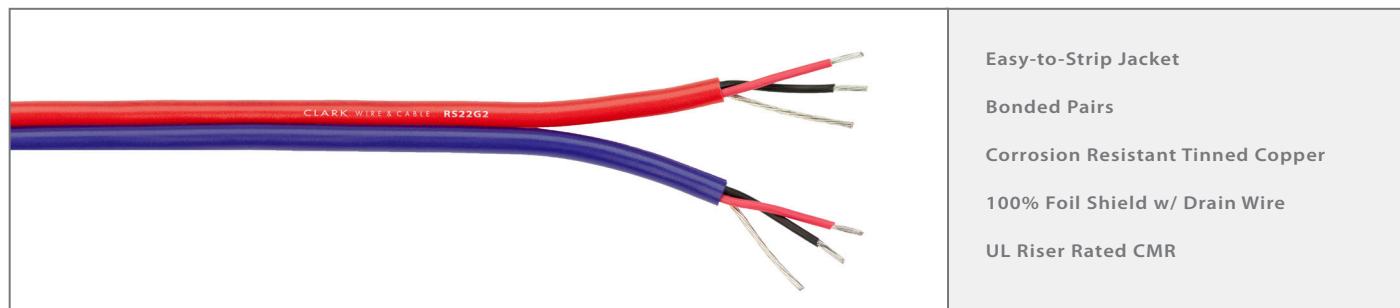
Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight	UL Listing
Conductor: 14.4 Ω/Mft Shield w/ Drain: 22.0 Ω/Mft	28.0 pF/ft between conductors 49.5 pF/ft between one conductor and other in common with shield	0 °C to 75°C	12 lbs/Mft	CMP

Clark's SPA22GSP is a low-noise, single-pair audio cable for balanced line level or microphone applications. Easy to terminate, the SPA22GSP features several timesaving features, such as a bonded easy-strip shield and tinned copper conductors that streamline the cable termination process. Excellent common-mode and RF/EMI noise rejection are achieved by a precision twisted pair and 100% foil shield. UL rated CMP for plenum applications, the SPA22GSP can be installed in a variety of permanent installation environments.

RS22G2

22AWG Dual-Pair Audio Cable

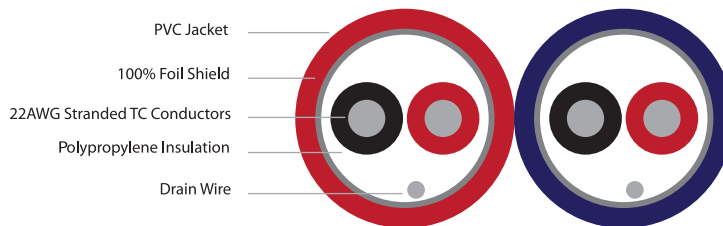


- Easy-to-Strip Jacket
- Bonded Pairs
- Corrosion Resistant Tinned Copper
- 100% Foil Shield w/ Drain Wire
- UL Riser Rated CMR

Part Number: **RS22G2**
 Description: 22AWG Dual-Pair Audio Cable

Materials & Dimensions

Conductors	(2) 22AWG (7 x 30) Stranded TC
Insulation	Polypropylene, .008" wall, (one red, one black)
Shield	100% Foil with 22AWG (7 x 30) Stranded TC Drain Wire
Number of Pair	2 (bonded with full pair color coding)
Jacket	Flexible PVC, .137" x .278" O.D.
Available Colors	Black & Blue, Black & Grey, Black & Red, Red & Green, Red & Lavender, or Red & Grey



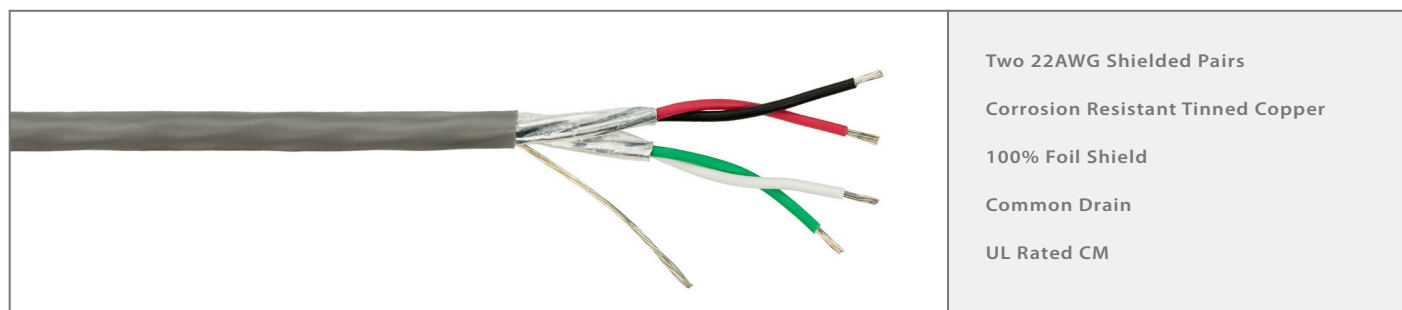
Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight	UL Listing
Conductor: 14.4 Ω/Mft Shield w/ Drain: 12.5 Ω/Mft	25.7 pF/ft between conductors 47.3 pF/ft between one conductor and other in common with shield	-20 °C to 75°C	28 lbs/Mft	CMR

Clark's RS22G2 is a low-noise, dual-pair audio cable for balanced line level or microphone level applications. Easy to terminate, the RS22G2 features several timesaving features, such as a bonded easy-strip shield and tinned copper conductors that streamline the cable termination process. Excellent common-mode and RF/EMI noise rejection are achieved by a precision twisted pair and 100% foil shield. UL rated CMR for riser applications, the RS22G2 can be installed in a variety of permanent installation environments.

22EPS2

22AWG Two-Pair Shielded Audio Cable

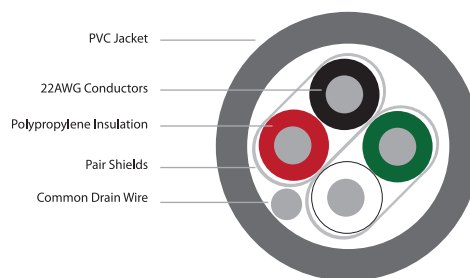


- Two 22AWG Shielded Pairs
- Corrosion Resistant Tinned Copper
- 100% Foil Shield
- Common Drain
- UL Rated CM

Part Number: **22EPS2**
 Description: 22AWG Shielded Two-Pair Cable

Materials & Dimensions

Conductors	(4) 22AWG (7 x 30) Stranded TC (cabled as two shielded pairs)
Insulation	Polypropylene, .010" wall, (red & black, white & green)
Shield	100% Foil (per pair) with 24AWG (7 x 32) Stranded TC Drain Wire (drain wire is common for both shields)
Jacket	Flexible PVC, .163" O.D.
Color	Grey



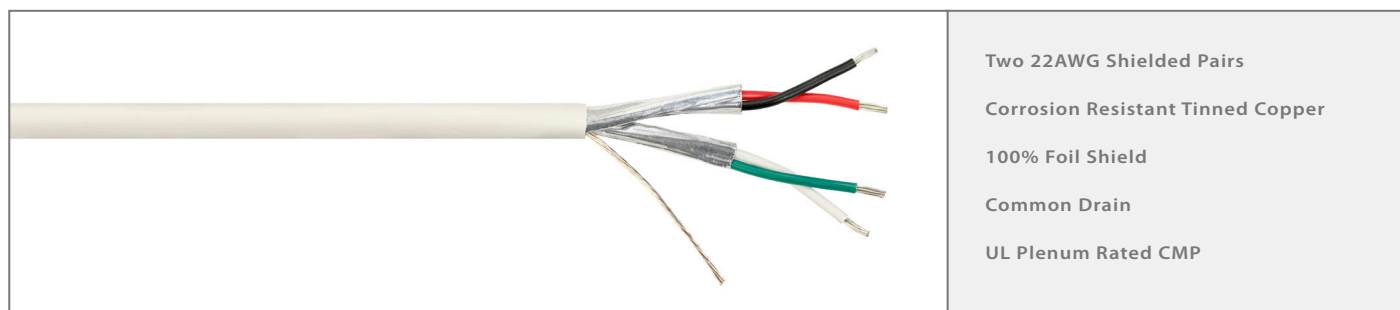
Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight	UL Listing
Conductor: 14.4 Ω/Mft Shield w/ Drain: 22.0 Ω/Mft	25.0 pF/ft between conductors	-20 °C to 75°C	18 lbs/Mft	CM

Clark's 22EPS2 is a two-pair shielded cable for balanced audio, data or control applications. Each conductor is made from 22AWG tinned copper for low DCR, corrosion resistance and improved solder adhesion. The conductors are insulated with a polypropylene dielectric that has lower capacitance and a higher melt temperature for reduced wick-back when soldering. UL rated CM, the 22EPS2 can be installed in a variety of permanent installation environments.

22EPS2P

22AWG Plenum Two-Pair Shielded Audio Cable

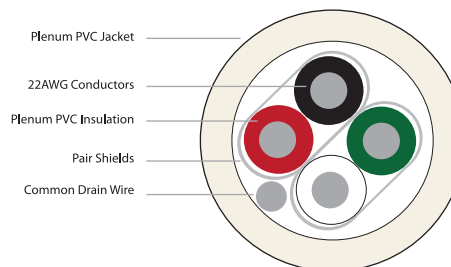


- Two 22AWG Shielded Pairs
- Corrosion Resistant Tinned Copper
- 100% Foil Shield
- Common Drain
- UL Plenum Rated CMP

Part Number: **22EPS2P**
 Description: 22AWG Plenum Shielded Two-Pair Cable

Materials & Dimensions

Conductors	(4) 22AWG (7 x 30) Stranded TC (cabled as two shielded pairs)
Insulation	Plenum PVC .010" wall, (red & black, white & green)
Shield	100% Foil (per pair) with 24AWG (7 x 32) Stranded TC Drain Wire (drain wire is common for both shields)
Jacket	Flexible Plenum PVC, .162" O.D.
Color	White



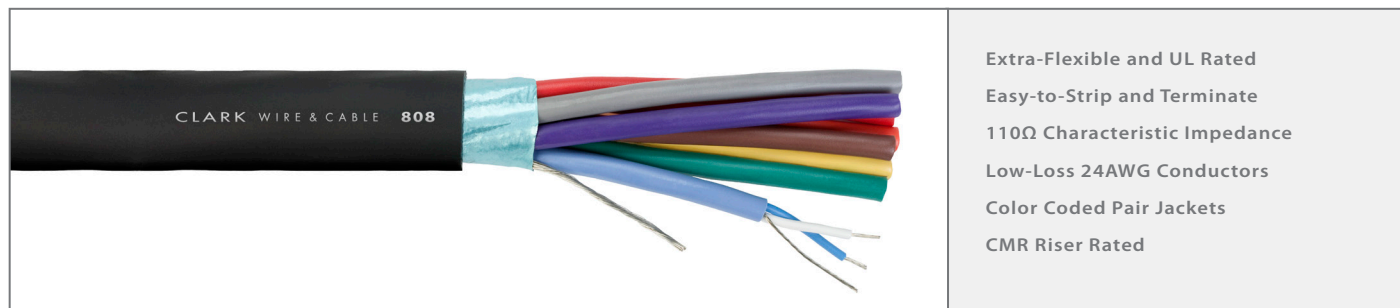
Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight	UL Listing
Conductor: 14.4 Ω/Mft Shield w/ Drain: 22.0 Ω/Mft	46.6 pF/ft between conductors	0 °C to 75°C	20 lbs/Mft	CMP

Clark's 22EPS2P is a two-pair shielded cable for balanced audio, data or control applications. Each conductor is made from 22AWG tinned copper for low DCR, corrosion resistance and improved solder adhesion. The conductors are insulated with a plenum PVC dielectric that is easy-to-strip and terminate. UL plenum rated CMP, the 22EPS2P can be installed in a variety of permanent installation environments.

800 Series

110Ω AES/EBU 24AWG Multi-Pair Audio Cables

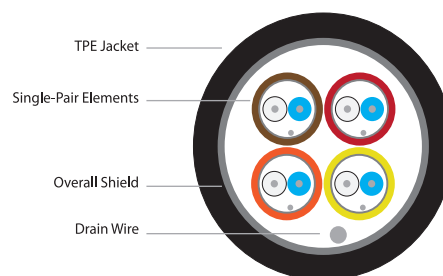


- Extra-Flexible and UL Rated
- Easy-to-Strip and Terminate
- 110Ω Characteristic Impedance
- Low-Loss 24AWG Conductors
- Color Coded Pair Jackets
- CMR Riser Rated

Part Number: **8xx** (see below for variations)
 Description: 110Ω AES/EBU 24 AWG Multi-Pair Audio Cables

Materials & Dimensions

Conductors	(2) 24AWG (7 x 32) Stranded TC (per pair)
Insulation	Foam Polypropylene .023" wall, (one white, one blue)
Shield	100% Alum/Mylar Foil (Easy-Strip Bonded) w/ 24AWG (7 x 32) Stranded TC Drain Wire
Pair Jacket	PVC, .182" O.D. Color Coded (see chart #2, page 65)
Overall Shield	100% Alum/Mylar Foil with 18AWG (16 x 30) Stranded TC Drain Wire
Overall Jacket	Black TPE (see below for individual cable O.D.)



Performance Characteristics

DC Resistance	Capacitance	Characteristic Impedance	Temperature Range	UL Listing
Conductor: 23.5 Ω/Mft Shield w/ Drain: 22.0 Ω/Mft	12.0 pF/ft between conductors 21.6 pF/ft between one conductor and other in common with shield	110Ω	-30 °C to 75°C	CMR

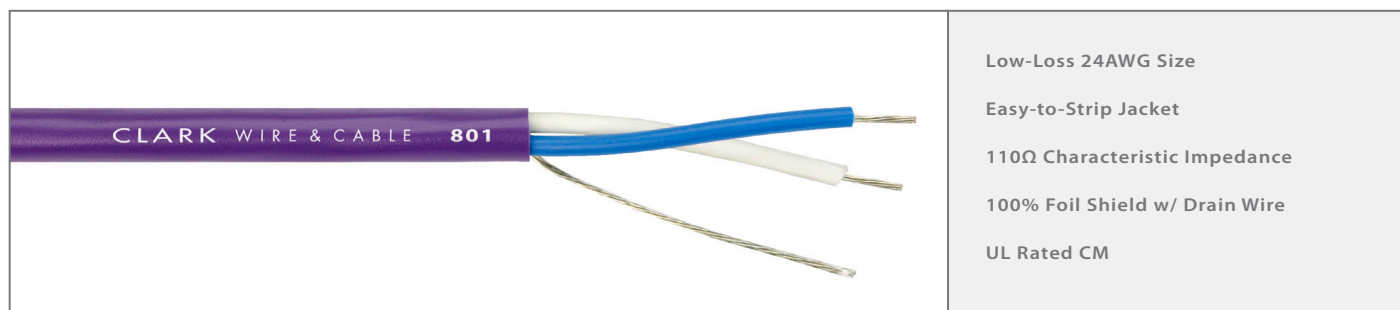
Product Variations

Part Number	Pair Count	Overall Diameter	Weight	Bend Radius
804	4 pair	.550"	135 lbs/Mft	5.5"
808	8 pair	.715"	233 lbs/Mft	7.2"
812	12 pair	.883"	337 lbs/Mft	8.9"
816	16 pair	1.01"	440 lbs/Mft	10.1"

Clark's 800 Series AES/EBU digital audio multi-pair cables deliver precision 110Ω data-grade single-pair elements in a snake cable configuration for high density applications. Built for precision impedance matching and low attenuation, each single-pair element has 24AWG tinned copper conductors, precision data-grade pair twisting and a 110Ω characteristic impedance. To streamline installation, each pair has a color coded and alpha-numerically printed pair jacket that is easy-to-strip and bonded to the foil shield. Extra-flexible and UL rated CMR, the 800 series can be used in portable applications or installed in a variety of permanent installation environments.

801

24AWG AES/EBU Digital Audio Single-Pair Cable

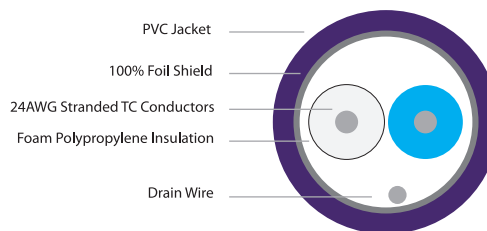


- Low-Loss 24AWG Size
- Easy-to-Strip Jacket
- 110Ω Characteristic Impedance
- 100% Foil Shield w/ Drain Wire
- UL Rated CM

Part Number: **801**
 Description: 24AWG AES/EBU Digital Audio Single-Pair Cable

Materials & Dimensions

Conductors	(2) 24AWG (7 x 32) Stranded TC
Insulation	Foam Polypropylene, .023" wall, (one white, one blue)
Shield	100% Foil with 24AWG (7 x 32) Stranded TC Drain Wire
Jacket	Flexible PVC, .173" O.D.
Available Colors	Black, Violet or Blue



Performance Characteristics

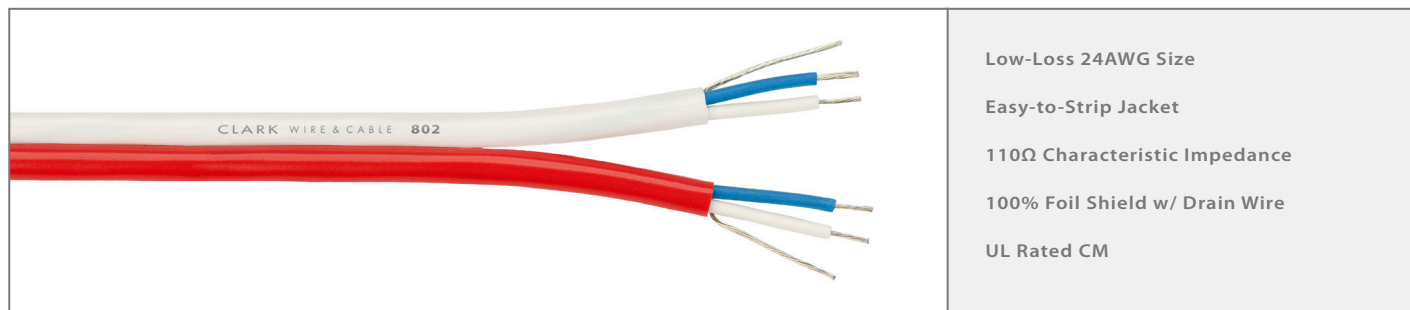
DC Resistance	Capacitance	Characteristic Impedance	Temperature Range	Weight	UL Listing
Conductor: 23.5 Ω/Mft Shield w/ Drain: 22.0 Ω/Mft	12.0 pF/ft between conductors 21.6 pF/ft between one conductor and other in common with shield	110Ω	-20 °C to 75°C	13 lbs/Mft	CM

Frequency	1 MHz	3 MHz	6 MHz	12 MHz	25 MHz
Attenuation dB/100 feet	0.91	1.29	1.58	2.12	4.01
Attenuation dB/100 meters	2.98	4.23	5.18	6.95	13.2

Clark's 801 is a low-loss 110Ω data cable for AES/EBU digital audio applications. Easy to terminate, the 801 features a bonded easy-strip shield and tinned copper conductors that streamline cable termination. Excellent common-mode and RF/EMI noise rejection are achieved by a precision twisted pair and 100% foil shield. For impedance matching in data transmission applications, the 801 has a precision 110Ω characteristic impedance. UL rated CM, the 801 can be installed in a variety of permanent installation environments.

802

24AWG AES/EBU Digital Audio Dual-Pair Cable

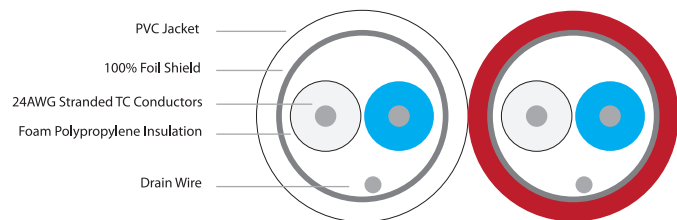


- Low-Loss 24AWG Size
- Easy-to-Strip Jacket
- 110Ω Characteristic Impedance
- 100% Foil Shield w/ Drain Wire
- UL Rated CM

Part Number: **802**
 Description: 24AWG AES/EBU Digital Audio Dual-Pair Cable

Materials & Dimensions

Conductors	(2) 24AWG (7 x 32) Stranded TC (per pair)
Insulation	Foam Polypropylene, .023" wall, (one white, one blue)
Shield	100% Foil with 24AWG (7 x 32) Stranded TC Drain Wire
Number of Pairs	2 (bonded with full pair color coding)
Jacket	Flexible PVC, .173" x .350" O.D.
Color	One Channel Red, One Channel White



Performance Characteristics

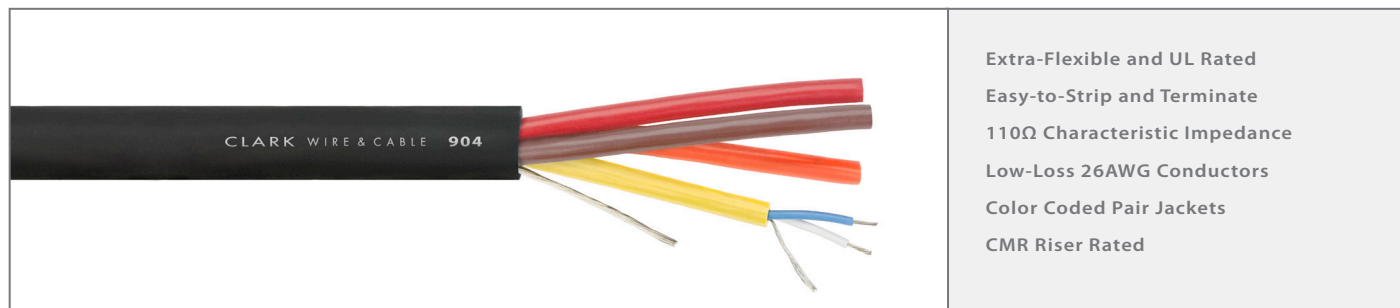
DC Resistance	Capacitance	Characteristic Impedance	Temperature Range	Weight	UL Listing
Conductor: 23.5 Ω/Mft Shield w/ Drain: 22.0 Ω/Mft	12.0 pF/ft between conductors 21.6 pF/ft between one conductor and other in common with shield	110Ω	-20 °C to 75°C	26 lbs/Mft	CM

Frequency	1 MHz	3 MHz	6 MHz	12 MHz	25 MHz
Attenuation dB/100 feet	0.91	1.29	1.58	2.12	4.01
Attenuation dB/100 meters	2.98	4.23	5.18	6.95	13.2

Clark's 802 is a low-loss 110Ω data cable for AES/EBU digital audio applications. Easy to terminate, the 802 features a bonded easy-strip shield and tinned copper conductors that streamline cable termination. Excellent common-mode and RF/EMI noise rejection are achieved by a precision twisted pair and 100% foil shield. For impedance matching in data transmission applications, the 802 has a precision 110Ω characteristic impedance. UL rated CM, the 802 can be installed in a variety of permanent installation environments.

900 Series

110Ω AES/EBU 26AWG Multi-Pair Audio Cables

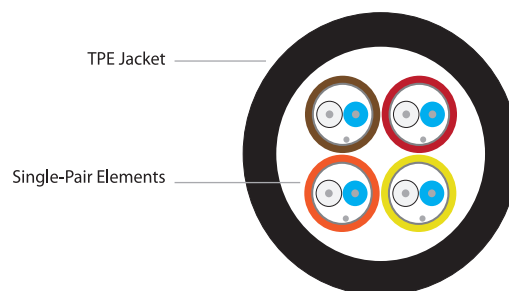


- Extra-Flexible and UL Rated
- Easy-to-Strip and Terminate
- 110Ω Characteristic Impedance
- Low-Loss 26AWG Conductors
- Color Coded Pair Jackets
- CMR Riser Rated

Part Number: **9xx** (see below for variations)
 Description: 110Ω AES/EBU 26 AWG Multi-Pair Audio Cables

Materials & Dimensions

Conductors	(2) 26AWG (7 x 34) Stranded TC (per pair)
Insulation	Foam Polypropylene .015" wall, (one white, one blue)
Shield	100% Alum/Mylar Foil (Easy-Strip Bonded) w/ 26AWG (7 x 34) Stranded TC Drain Wire
Pair Jacket	PVC, .143" O.D. Color Coded (see chart #2, page 65)
Overall Jacket	Black TPE (see below for individual cable O.D.)



Performance Characteristics

DC Resistance	Capacitance	Characteristic Impedance	Temperature Range	UL Listing
Conductor: 38.5 Ω/Mft Shield w/ Drain: 35.2 Ω/Mft	12.5 pF/ft between conductors 22.5 pF/ft between one conductor and other in common with shield	110Ω	-30 °C to 75°C	CMR

Frequency	1 MHz	3 MHz	6 MHz	12 MHz	25 MHz
Attenuation dB/100 feet	1.23	1.86	2.37	3.16	4.18
Attenuation dB/100 meters	4.04	6.10	7.77	10.4	13.7

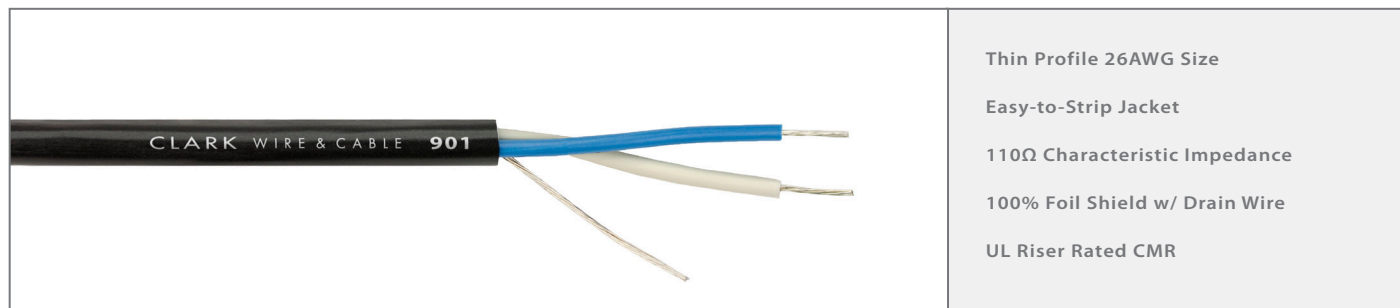
Product Variations

Part Number	Pair Count	Overall Diameter	Weight	Bend Radius
904	4 pair	.420"	83 lbs/Mft	4.2"
908	8 pair	.528"	146 lbs/Mft	5.3"
912	12 pair	.640"	210 lbs/Mft	6.4"
916	16 pair	.722"	271 lbs/Mft	7.3"
924	24 pair	1.019"	472 lbs/Mft	10.2"

Clark's 900 Series AES/EBU digital audio multi-pair cables deliver precision 110Ω data-grade single-pair elements in a snake cable configuration for high density applications. Built for precision impedance matching and low attenuation, each single-pair element has 26AWG tinned copper conductors, precision data-grade pair twisting and a 110Ω characteristic impedance. To streamline installation, each pair has a color coded and alpha-numerically printed pair jacket that is easy-to-strip and bonded to the foil shield. Extra-flexible and UL rated CMR, the 900 series can be used in portable applications or installed in a variety of permanent installation environments.

901

26AWG AES/EBU Digital Audio Single-Pair Cable

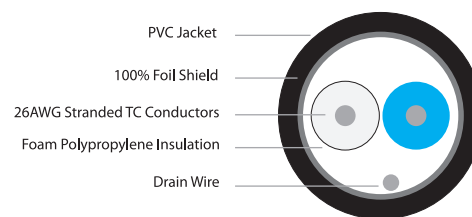


- Thin Profile 26AWG Size
- Easy-to-Strip Jacket
- 110Ω Characteristic Impedance
- 100% Foil Shield w/ Drain Wire
- UL Riser Rated CMR

Part Number: **901**
 Description: **26AWG AES/EBU Digital Audio Single-Pair Cable**

Materials & Dimensions

Conductors	(2) 26AWG (7 x 34) Stranded TC
Insulation	Foam Polypropylene, .015" wall, (one white, one blue)
Shield	100% Foil with 26AWG (7 x 34) Stranded TC Drain Wire
Jacket	Flexible PVC, .155" O.D.
Colors	Black



Performance Characteristics

DC Resistance	Capacitance	Characteristic Impedance	Temperature Range	Weight	UL Listing
Conductor: 38.5 Ω/Mft Shield w/ Drain: 35.2 Ω/Mft	11.5 pF/ft between conductors 20.7 pF/ft between one conductor and other in common with shield	110Ω	-20 °C to 75°C	11 lbs/Mft	CMR

Frequency	1 MHz	3 MHz	6 MHz	12 MHz	25 MHz
Attenuation dB/100 feet	1.23	1.86	2.37	3.16	4.18
Attenuation dB/100 meters	4.04	6.10	7.77	10.4	13.7

Clark's 901 is a thin profile 110Ω data cable for AES/EBU digital audio applications. Easy to terminate, the 901 features a bonded easy-strip shield and tinned copper conductors that streamline cable termination. Excellent common-mode and RF/EMI noise rejection are achieved by a precision twisted pair and 100% foil shield. For impedance matching in data transmission applications, the 901 has a precision 110Ω characteristic impedance. UL rated CMR for riser applications, the 901 can be installed in a variety of permanent installation environments.

FF220

20AWG FieldFlex™ Microphone Cable

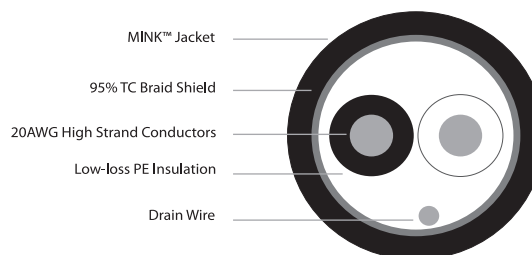


- Ultra-Flexible MINK™ Jacket
- Heavy Duty Construction
- Low-Loss 20AWG Conductors
- 95% Braid w/ Drain Wire
- Corrosion Resistant Copper

Part Number: **FF220**
 Description: Heavy Duty 20AWG FieldFlex™ Microphone Cable

Materials & Dimensions

Conductors	(2) 20AWG (41 x 36) Stranded TC
Insulation	Polyethylene .018" wall, (one black, one white)
Shield	95% TC Braid with 24AWG (41 x 40) Stranded TC Drain Wire
Jacket	MINK™ Ultra-Flexible Matte PVC, .280" O.D.
Available Colors	Black



Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight
Conductor: 10.1 Ω/Mft Shield w/ Drain: 3.8 Ω/Mft	25.7 pF/ft between conductors 47.3 pF/ft between one conductor and other in common with shield	-35 °C to 75°C	47 lbs/Mft

Clark's FF220 FieldFlex™ microphone cable delivers both flexibility and durability for staging, studio, or hostile environment applications. The high strand 20AWG conductors (41 strands per conductor), have exceptional flexibility, flex-life and low DC resistance. For enhanced common-mode and RF/EMI rejection, the FF220 features tight-twist balanced pairs that are shielded with a 95% corrosion resistant braid and drain wire. The outer jacket is extruded from Clark's MINK™ ultra-flexible PVC compound that has both exceptional flexibility and abrasion resistance characteristics.

MINK4™

24AWG Quad Microphone Cable

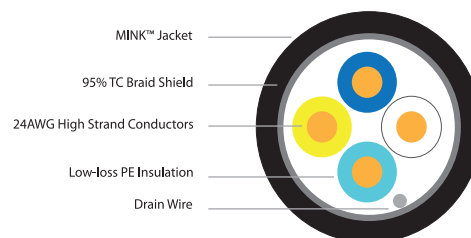


- Ultra-Flexible MINK™ Jacket
- Exceptional RF/EMI Rejection
- Color Coded Pairs for Easy ID
- 95% Braid w/ Drain Wire
- Corrosion Resistant Braid

Part Number: **MINK4**
 Description: Quad 24AWG Low-Noise Microphone Cable

Materials & Dimensions

Conductors	(4) 24AWG (41 x 40) Stranded BC
Insulation	Polyethylene, .015" wall, (blue & light blue, white & yellow)
Shield	95% TC Braid with 24AWG (7 x 32) Stranded TC Drain Wire
Jacket	MINK™ Ultra-Flexible Matte PVC, .236" O.D.
Color	Black



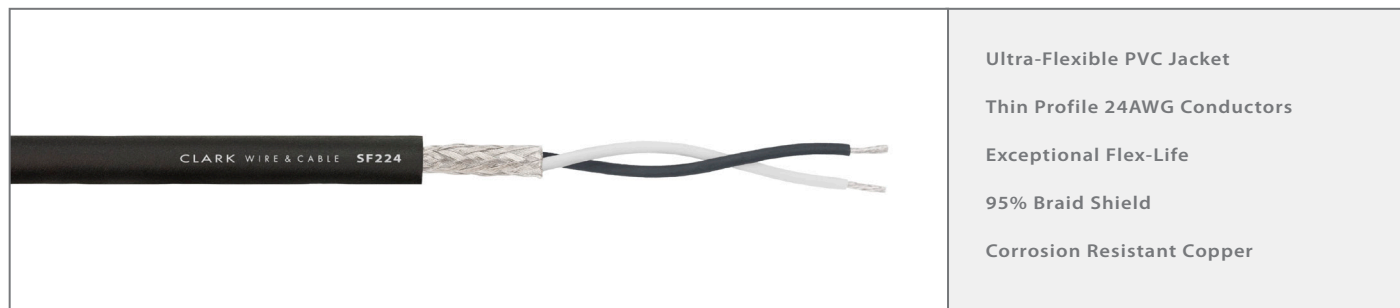
Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight
Conductor: 25.4 Ω/Mft Shield w/ Drain: 5.2 Ω/Mft	39 pF/ft between conductors 57 pF/ft between one conductor and other in common with shield	-35 °C to 75°C	41 lbs/Mft

Clark's MINK4™ quad microphone cable achieves exceptional RF/EMI noise rejection through its double-balanced, four conductor design. For additional flex-life and flexibility, the MINK4 features finely stranded 24AWG (41 strands of 40AWG) copper conductors. To streamline cable termination, the MINK4 has a drain wire in addition to the 95% corrosion resistant braid to allow for faster ground/shield connector termination. Extremely flaccid and memory resistant, the MINK4 uses Clark's proprietary MINK™ matte PVC jacket compound that is both ultra-flexible and abrasion resistant.

SF224

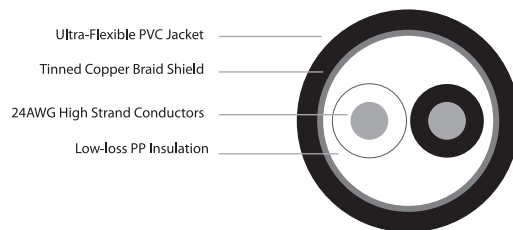
24AWG StudioFlex™ Thin Profile Microphone Cable



Part Number: **SF224**
 Description: Thin Profile 24AWG StudioFlex™ Microphone Cable

Materials & Dimensions

Conductors	(2) 24AWG (41 x 40) Stranded TC
Insulation	Polypropylene .012" wall, (one black, one white)
Shield	95% TC Braid
Jacket	Flexible Matte PVC, .190" O.D.
Color	Black



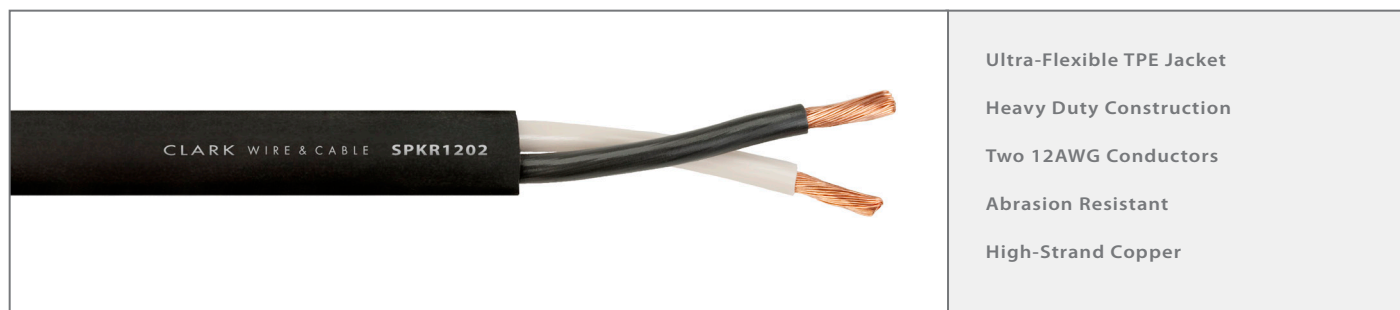
Performance Characteristics

DC Resistance	Capacitance	Temperature Range	Weight
Conductor: 25.4 Ω/Mft Shield: 6.0 Ω/Mft	20.5 pF/ft between conductors 36.8 pF/ft between one conductor and other in common with shield	-20 °C to 75°C	24 lbs/Mft

Clark's StudioFlex™ SF224 is a thin-profile, ultra-flexible microphone cable for applications and connectors that require a reduced diameter or weight. The high strand 24AWG conductors have exceptional flexibility and flex-life. For enhanced common-mode and RF/EMI rejection, the SF224 features tightly-twisted balanced pairs that are shielded with a corrosion resistant tinned copper braid. The outer jacket is extruded from a flexible matte PVC compound that is both flexible and abrasion resistant.

SPKR1202

Two Conductor Portable Speaker Cable



- Ultra-Flexible TPE Jacket
- Heavy Duty Construction
- Two 12AWG Conductors
- Abrasion Resistant
- High-Strand Copper

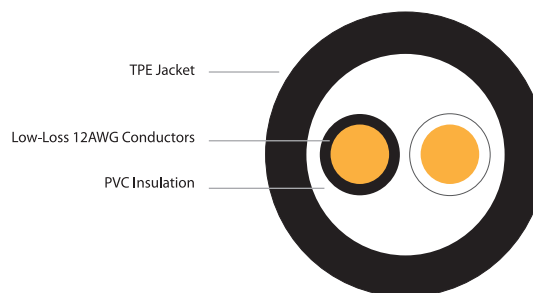
Part Number: **SPKR1202**
 Description: Two Conductor 12AWG Portable Speaker Cable

Materials & Dimensions

Conductors	(2) 12AWG (65 x 30) Stranded BC
Insulation	PVC .020" wall, (one black, one white)
Jacket	Ultra-Flexible TPE, .380" O.D.
Color	Black

Performance Characteristics

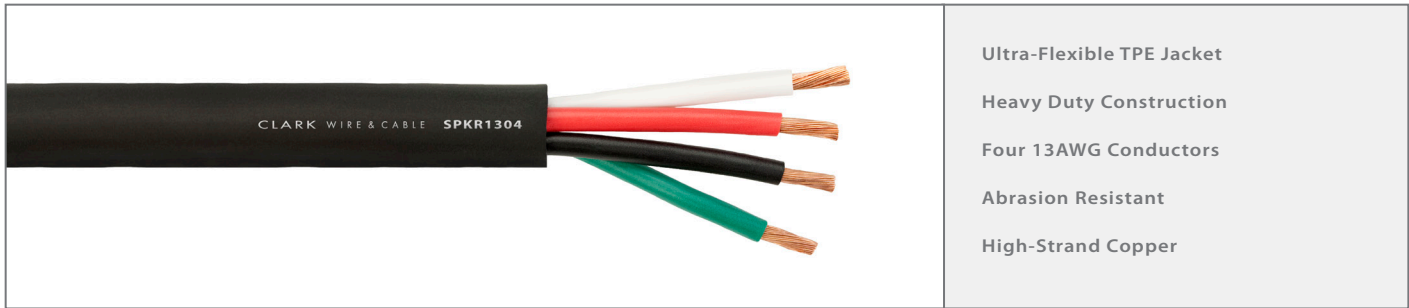
DC Resistance	Temperature Range	Weight
Conductor: 1.6 Ω/Mft	-25°C to 60°C	90 lbs/Mft



Clark's SPKR1202 speaker cable has been designed for use in portable, studio and staging applications. Built with large, finely stranded 12AWG conductors, the construction of the SPKR1202 minimizes power loss through the cable yet offers exceptional flexibility and flex-life. The outer jacket is extruded from a TPE compound that is ultra-flexible, rugged and abrasion resistant. With a round overall construction, the SPKR1202 can be readily terminated to both 1/4" phone plugs and multi-pole speaker connectors such as Neutrik® Speak-On® types.

SPKR1304

Four Conductor Portable Speaker Cable



- Ultra-Flexible TPE Jacket
- Heavy Duty Construction
- Four 13AWG Conductors
- Abrasion Resistant
- High-Strand Copper

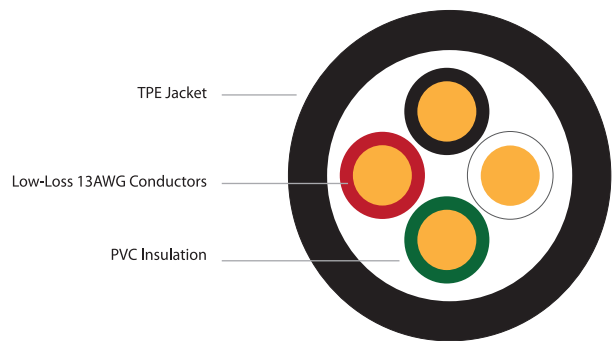
Part Number: **SPKR1304**
 Description: **Four Conductor 13AWG Portable Speaker Cable**

Materials & Dimensions

Conductors	(4) 13AWG (52 x 30) Stranded BC
Insulation	PVC .023" wall, (black, white, red & green)
Jacket	Ultra-Flexible TPE, .430" O.D.
Color	Black

Performance Characteristics

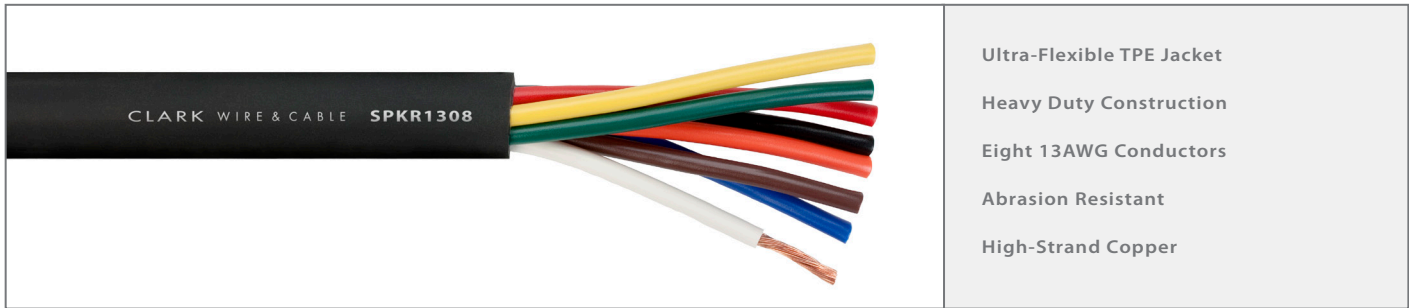
DC Resistance	Temperature Range	Weight
Conductor: 2.2 Ω/Mft	-25°C to 60°C	128 lbs/Mft



Clark's SPKR1304 speaker cable has been designed for use in portable, studio and staging applications. Built with large, finely stranded 13AWG conductors, the construction of the SPKR1304 minimizes power loss through the cable yet offers exceptional flexibility and flex-life. The outer jacket is extruded from a TPE compound that is ultra-flexible, rugged and abrasion resistant. With a round overall construction, the SPKR1304 can be readily terminated to multi-pole speaker connectors such as Neutrik® Speak-On® types.

SPKR1308

Eight Conductor Portable Speaker Cable



- Ultra-Flexible TPE Jacket
- Heavy Duty Construction
- Eight 13AWG Conductors
- Abrasion Resistant
- High-Strand Copper

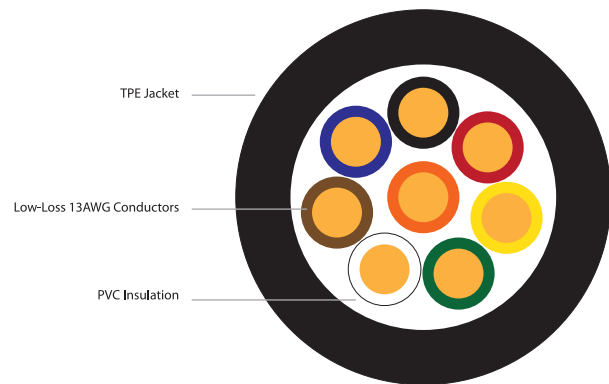
Part Number: **SPKR1308**
 Description: **Eight Conductor 13AWG Portable Speaker Cable**

Materials & Dimensions

Conductors	(8) 13AWG (52 x 30) Stranded BC
Insulation	PVC .026" wall, (black, white, red, green, yellow, orange, blue & brown)
Jacket	Ultra-Flexible TPE, .580" O.D.
Colors	Black

Performance Characteristics

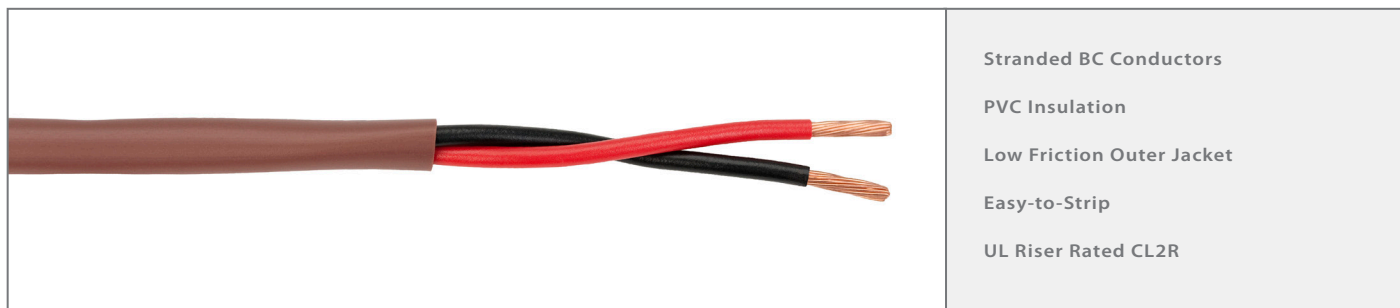
DC Resistance	Temperature Range	Weight
Conductor: 2.2 Ω/Mft	-30°C to 75°C	260 lbs/Mft



Clark's SPKR1308 speaker cable has been designed for use in portable, studio and staging applications. Built with large, finely stranded 13AWG conductors, the construction of the SPKR1308 minimizes power loss through the cable yet offers exceptional flexibility and flex-life. The outer jacket is extruded from a TPE compound that is ultra-flexible, rugged and abrasion resistant. With a round overall construction, the SPKR1308 can be readily terminated to multi-pole speaker connectors such as Neutrik® Speak-On® types.

CW Series

Permanent Installation Speaker Cables



- Stranded BC Conductors
- PVC Insulation
- Low Friction Outer Jacket
- Easy-to-Strip
- UL Riser Rated CL2R

Part Number: **CW Series** (see below for variations)
 Description: Permanent Installation Speaker Cables

Materials & Dimensions

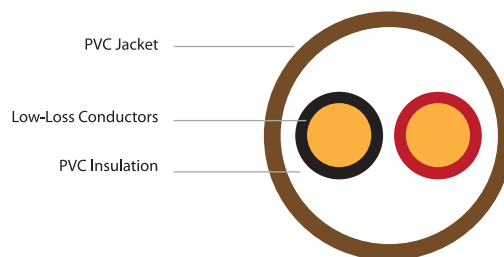
Conductors	(2) Stranded BC (see below for AWG types)
Insulations	PVC, .015" (red & black)
Jacket	PVC
Colors	Brown

Performance Characteristics

UL Rating	Temperature Range
CL2R	-20°C to 75°C

Product Variations

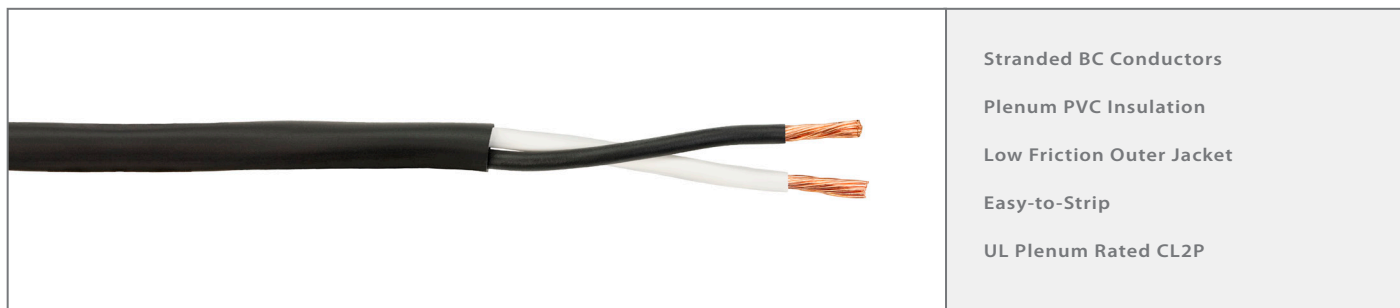
Part Number	Conductor	DC Resistance	Overall Diameter	Bend Radius	Weight
CW1202	12AWG (19x25)	1.8 Ω/Mft	.250"	2.5"	59 lbs/Mft
CW1402	14AWG (19x27)	2.8 Ω/Mft	.210"	2.1"	37 lbs/Mft
CW1602	16AWG (19x29)	4.5 Ω/Mft	.182"	1.8"	26 lbs/Mft
CW1802	18AWG (19x30)	6.0 Ω/Mft	.166"	1.6"	19 lbs/Mft



The CW series is an easy-to-install, commercial grade speaker cable for permanent installation in walls or conduit. Built with large copper conductors, the CW series minimizes power loss and attenuation through the cable. The outer jacket is extruded from a flexible PVC that is easy-to-strip and has a low friction finish that is easy to pull through conduit. UL rated type CL2R, the CW series can be installed variety of environments.

CW-P Series

Plenum Permanent Installation Speaker Cables

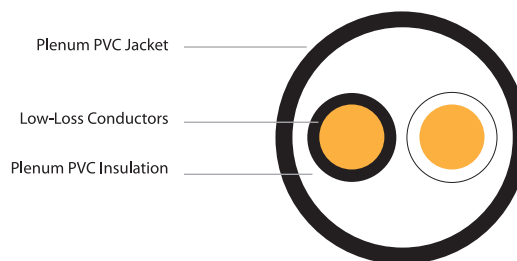


- Stranded BC Conductors
- Plenum PVC Insulation
- Low Friction Outer Jacket
- Easy-to-Strip
- UL Plenum Rated CL2P

Part Number: **CW-P Series** (see below for variations)
 Description: **Plenum Permanent Installation Speaker Cables**

Materials & Dimensions

Conductors	(2) Stranded BC (see below for AWG types)
Insulation	Plenum PVC, .015" (white & black)
Jacket	Plenum PVC
Color	Black



Performance Characteristics

UL Rating	Temperature Range
CL2P	-0°C to 75°C

Product Variations

Part Number	Conductor	DC Resistance	Overall Diameter	Bend Radius	Weight
CW1202P	12AWG (19x25)	1.8 Ω/Mft	.250"	2.5"	61 lbs/Mft
CW1402P	14AWG (19x27)	2.8 Ω/Mft	.210"	2.1"	39 lbs/Mft
CW1602P	16AWG (19x29)	4.5 Ω/Mft	.182"	1.8"	28 lbs/Mft
CW1802P	18AWG (19x30)	6.0 Ω/Mft	.166"	1.6"	20 lbs/Mft

The CW-P series is an easy-to-install, commercial grade speaker cable for permanent installation in walls or conduit. Built with large copper conductors, the CW-P series minimizes power loss and attenuation through the cable. The outer jacket is extruded from a flexible PVC that is easy-to-strip and has a low friction finish that is easy to pull through conduit. UL rated type CL2P, the CW-P series can be installed variety of environments.

Audio Cable Appendix

Common Audio Connector Part Numbers

XLR Connectors

Connector Gender and Finish	Switchcraft Brand	Neutrik Brand
MALE INLINE		
Nickel Shell	A3M or AAA3MZ	NC3MX or NC3MXX
Black Shell	A3MB or AAA3MBZ	NC3MX-BAG or NC3MXX-BAG
Black Shell w/ Gold Contacts	A3MBAU or AAA3MBAUZ	NC3MX-B or NC3MXX-B
MALE PANEL MOUNT		
Nickel Shell	D3M	NC3MD-L-1
Black Shell	D3MB	NC3MD-L-BAG-1
Black Shell w/ Gold Contacts	D3MBAU	NC3MD-L-B-1
FEMALE INLINE		
Nickel Shell	A3F or AAA3FZ	NC3FX or NC3FXX
Black Shell	A3FBX or AAA3FBZ	NC3FX-BAG or NC3FXX-BAG
Black Shell w/ Gold Contacts	A3FBXAU or AAA3FBXAUZ	NC3FX-B or NC3FXX-B
FEMALE PANEL MOUNT		
Nickel Shell	D3F	NC3FD-L-1
Black Shell	D3FBX	NC3FD-L-BAG-1
Black Shell w/ Gold Contacts	D3FBXAU	NC3FD-L-B-1

1/4" Phone Connectors

Connector Gender and Finish	Switchcraft Brand	Neutrik Brand
MALE T.R.S.		
Nickel Shell	297	NP3X
Black Shell	---	NC3X-BAG
Black Shell w/ Gold Contacts	---	NP3X-B
MALE T.S.		
Nickel Shell	280 (small), 188 (large)	NP2X
Black Shell	---	NP2X-BAG
Black Shell w/ Gold Contacts	---	NP2X-B

Optical Cable

PART NUMBER INDEX

Page	Part Number	Description
68	DMT-T Series	Tactical Distribution
69	BMT-T Series	Tactical Breakout
70	DR Series	Riser Rated Distribution
71	BR Series	Riser Rated Breakout
72	DP Series	Plenum Rated Distribution
73	BP Series	Plenum Rated Breakout
74	CWF-01R Series	Riser Rated Simplex
75	CWF-02R Series	Riser Rated Duplex
76	CWF-01P Series	Plenum Rated Simplex
77	CWF-02P Series	Plenum Rated Duplex
78	Appendix	Fiber Attenuation and Transmission Charts
79	Appendix	Fiber Color Code Chart

Optical fiber cabling for next generation data transport.

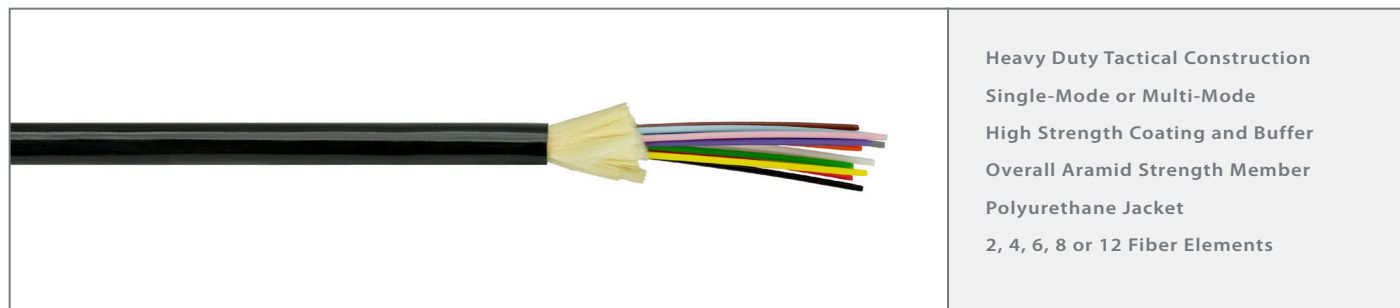
Clark Wire & Cable's optical fiber cables deliver leading edge bandwidth for high bit-rate AV and data formats. With both tactical and permanent installation designs, Clark optical fiber cables deliver solutions for both harsh environment and structured wiring installations.

Available in single-mode and multi-mode fiber formats, Clark optical fiber cable can be used in almost any type communications grade optical interface system.



DMT-T Series

Tactical Distribution Optical Fiber Cables

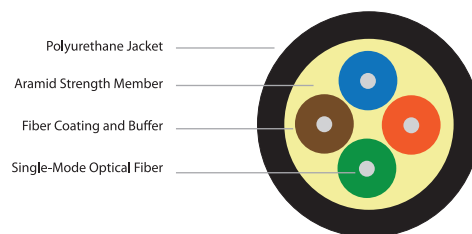


Heavy Duty Tactical Construction
 Single-Mode or Multi-Mode
 High Strength Coating and Buffer
 Overall Aramid Strength Member
 Polyurethane Jacket
 2, 4, 6, 8 or 12 Fiber Elements

Part Number: **CWF-DMTxxx**T** (see below for variations)
 Description: Tactical Distribution Optical Fiber Cable

Materials & Dimensions

Fiber Type and ** Part Number Code	SM = Single-Mode 9um. Bend Tolerant MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 (see chart on page 78 for fiber attenuation and transmission specs)
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	Hard Elastomeric Tight Buffer, 900um diameter
Overall Strength Member	Aramid Yarn
Overall Jacket	Polyurethane
Color	Black



Performance Characteristics

Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperatures
1500 impacts (EIA-455-25A)	1800 N/cm (EIA-455-41A)	100 kpsi	-40° C to 85° C

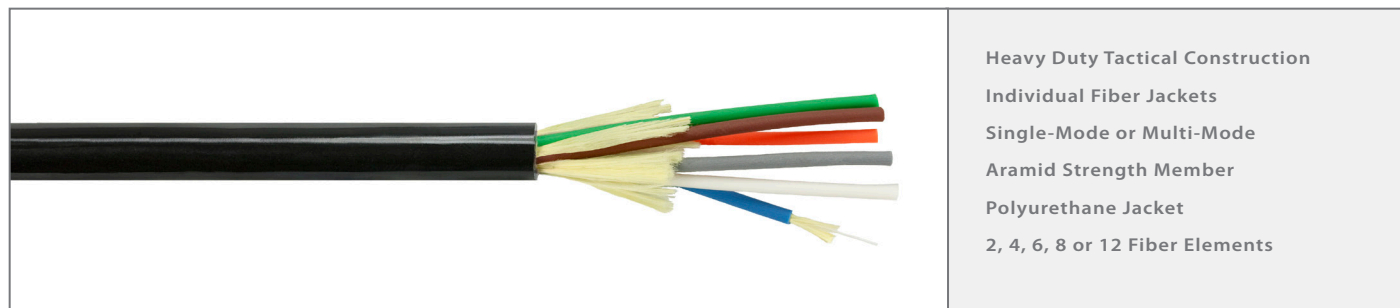
Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
CWF-DMT002**T	2	blue, orange	.200"	14 lbs/Mft	3.1" - Installation 1.6" - Operating	400 lbs - Installation 130 lbs - Operating
CWF-DMT004**T	4	blue, orange, green, brown	.220"	18 lbs/Mft	3.5" - Installation 1.7" - Operating	400 lbs - Installation 130 lbs - Operating
CWF-DMT006**T	6	blue, orange, green, brown, grey, white	.240"	22 lbs/Mft	3.8" - Installation 1.9" - Operating	400 lbs - Installation 130 lbs - Operating
CWF-DMT008**T	8	blue, orange, green, brown, grey, white, red, black	.260"	25 lbs/Mft	4.1" - Installation 2.0" - Operating	400 lbs - Installation 130 lbs - Operating
CWF-DMT012**T	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.260"	24 lbs/Mft	4.1" - Installation 2.6" - Operating	470 lbs - Installation 160 lbs - Operating

The DMT-T series are optical fiber cables in a heavy-duty tactical construction. Built for use in portable or hostile environments, the DMT-T cables feature a rugged polyurethane outer jacket, an aramid strength member, and high strength fiber coatings and buffers. The single-mode versions are made from bend tolerant glass that is less susceptible to micro-bending attenuation. Together these materials deliver significantly improved flex-life, crush resistance and tensile strength when compared to typical permanent installation multi-strand fiber cables. The DMT-T series is available in two, four, six, eight and twelve strand versions.

BMT-T Series

Tactical Breakout Optical Fiber Cables

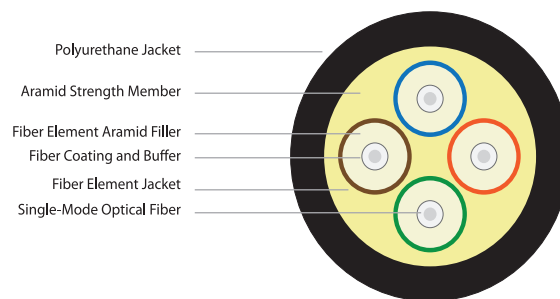


Heavy Duty Tactical Construction
 Individual Fiber Jackets
 Single-Mode or Multi-Mode
 Aramid Strength Member
 Polyurethane Jacket
 2, 4, 6, 8 or 12 Fiber Elements

Part Number: **CBF-BMTxxx**T** (see below for variations)
 Description: Tactical Breakout Optical Fiber Cables

Materials & Dimensions

Fiber Type and ** Part Number Code	SM = Single-Mode 9um. Bend Tolerant MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 (see chart on page 78 for fiber attenuation and transmission specs)
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	Hard Elastomeric Tight Buffer, 900um diameter
Element Strength Member	Aramid Yarn (per fiber element)
Element Jacket	Elastomer, 2.0mm O.D. (per fiber element)
Overall Strength Member	Aramid Yarn
Overall Jacket	Black Polyurethane



Performance Characteristics

Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperatures
1500 impacts (EIA-455-25A)	2100 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C

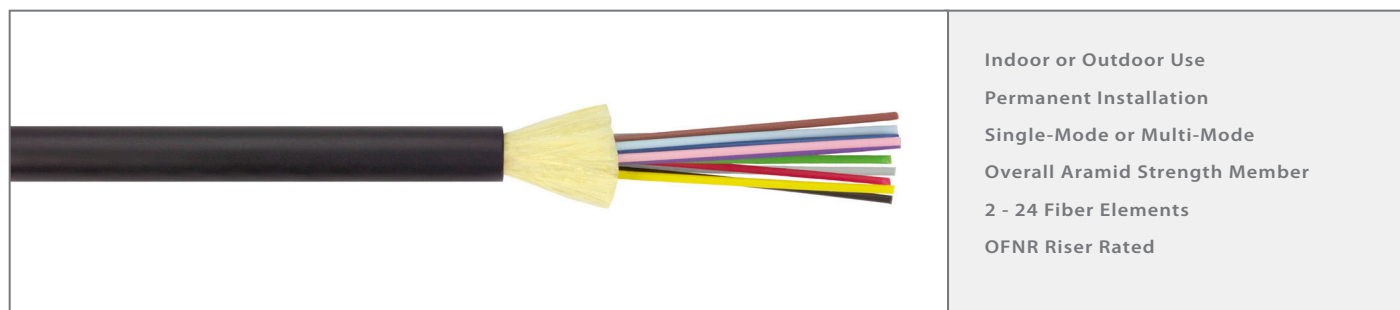
Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
CBF-BMT002**T	2	blue, orange	.260"	24 lbs/Mft	4.1" - Installation 3.2" - Operating	490 lbs - Installation 120 lbs - Operating
CBF-BMT004**T	4	blue, orange, green, brown	.300"	32 lbs/Mft	4.7" - Installation 2.4" - Operating	490 lbs - Installation 120 lbs - Operating
CBF-BMT006**T	6	blue, orange, green, brown, grey, white	.330"	37 lbs/Mft	5.4" - Installation 2.7" - Operating	540 lbs - Installation 130 lbs - Operating
CBF-BMT008**T	8	blue, orange, green, brown, grey, white, red, black	.390"	51 lbs/Mft	6.3" - Installation 3.1" - Operating	720 lbs - Installation 180 lbs - Operating
CBF-BMT012**T	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.480"	59 lbs/Mft	6.9" - Installation 3.5" - Operating	1080 lbs - Installation 270 lbs - Operating

The BMT-T series are optical fiber cables in a heavy-duty tactical construction. Built for use in portable or hostile environments, the BMT-T cables feature a rugged polyurethane outer jacket, individual fiber jackets and aramid filler, an overall aramid strength member, and high strength fiber coatings and buffers. The single-mode versions are made from bend tolerant glass that is less susceptible to micro-bending attenuation. Together these materials deliver significantly improved flex-life, crush resistance and tensile strength when compared to typical permanent installation multi-strand fiber cables. The DMT-T series is available in two, four, six, eight and twelve strand versions.

DR Series

Riser Rated Distribution Indoor/Outdoor Optical Fiber Cables

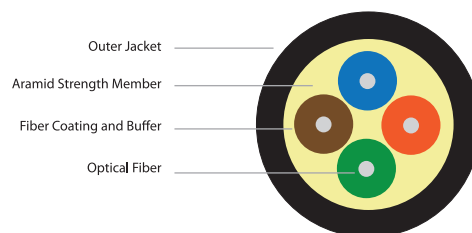


- Indoor or Outdoor Use
- Permanent Installation
- Single-Mode or Multi-Mode
- Overall Aramid Strength Member
- 2 - 24 Fiber Elements
- OFNR Riser Rated

Part Number: **CWF-Dxxx**R** (see below for variations)
 Description: Riser Rated Indoor/Outdoor Optical Fiber Distribution Cables

Materials & Dimensions

Fiber Type and ** Part Number Code	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 (see chart on page 78 for fiber attenuation and transmission specs)
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	PVC, 900um diameter
Overall Strength Member	Aramid Yarn
Overall Jacket	PVC (black or yellow)



Performance Characteristics

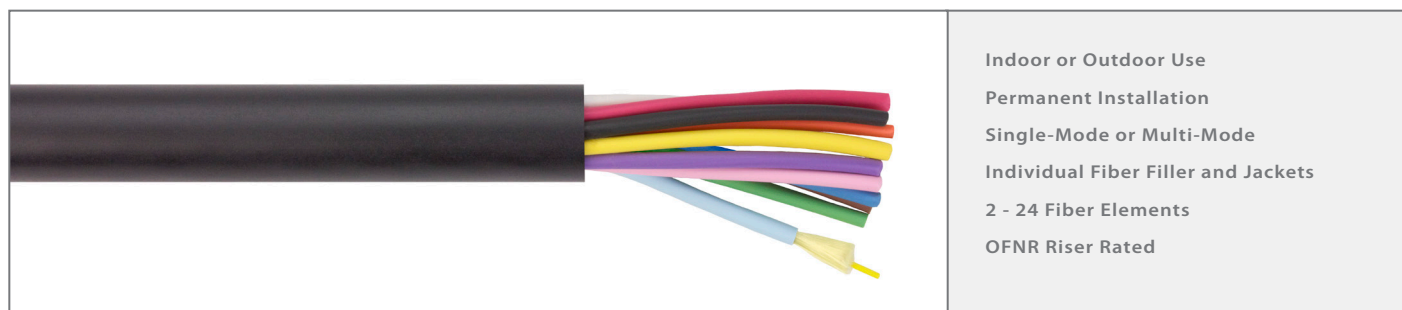
Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperatures	Listing
1500 impacts (EIA-455-25A)	1800 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C (4 - 24 strand) -40°C to 70°C (2 strand)	(UL) OFNR (CSA) FT-4

Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
CWF-D002**R	2	blue, orange	.190"	14 lbs/Mft	2.9" - Installation 1.9" - Operating	150 lbs - Installation 40 lbs - Operating
CWF-D004**R	4	blue, orange, green, brown	.200"	16 lbs/Mft	3.0" - Installation 2.0" - Operating	310 lbs - Installation 100 lbs - Operating
CWF-D006**R	6	blue, orange, green, brown, grey, white	.220"	22 lbs/Mft	3.4" - Installation 2.2" - Operating	310 lbs - Installation 100 lbs - Operating
CWF-D008**R	8	blue, orange, green, brown, grey, white, red, black	.230"	23 lbs/Mft	3.5" - Installation 2.3" - Operating	360 lbs - Installation 120 lbs - Operating
CWF-D012**R	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.260"	25 lbs/Mft	3.8" - Installation 2.6" - Operating	600 lbs - Installation 135 lbs - Operating
CWF-D018**R	18	same as 12 strand, #13 repeats at blue with continuous dashed markings	.280"	32 lbs/Mft	4.3" - Installation 2.8" - Operating	600 lbs - Installation 160 lbs - Operating
CWF-D024**R	24	same as 12 strand, #13 repeats at blue with continuous dashed markings	.350"	45 lbs/Mft	5.3" - Installation 3.5" - Operating	670 lbs - Installation 220 lbs - Operating

BR Series

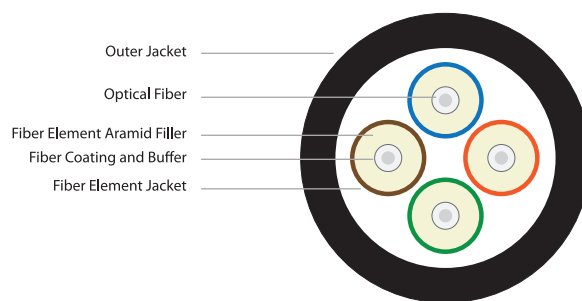
Riser Rated Breakout Indoor/Outdoor Optical Fiber Cables



Part Number: **CWF-Bxxx**R** (see below for variations)
 Description: **Indoor/Outdoor Riser Rated Single-Mode Breakout Fiber**

Materials & Dimensions

Fiber Type and ** Part Number Code	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 (see chart on page 78 for fiber attenuation and transmission specs)
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	PVC, 900um diameter
Element Strength Member	Aramid Yarn (per fiber element)
Element Jacket	Elastomeric, 2.5mm O.D. (per fiber element)
Overall Jacket	PVC (black or yellow)



Performance Characteristics

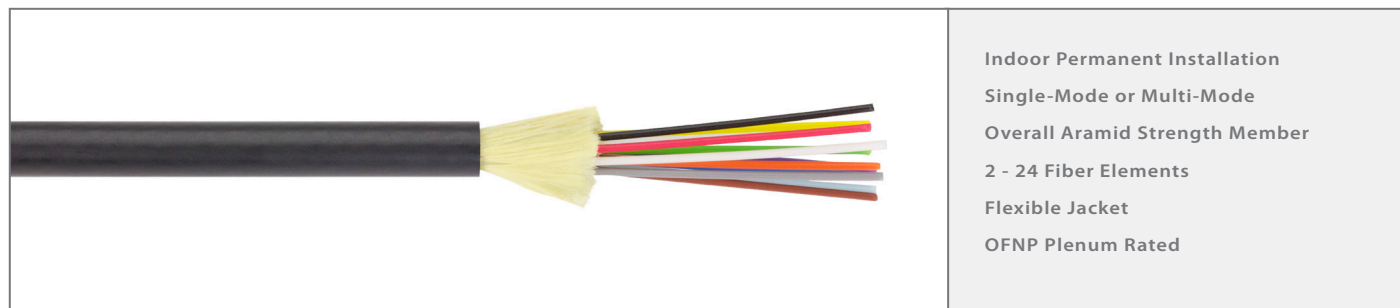
Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperature	Listing
1500 impacts (EIA-455-25A)	2200 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C	(UL) OFNR (CSA) FT-4

Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
CWF-B002**R	2	blue, orange	.280"	28 lbs/Mft	4.1" - Installation 2.8" - Operating	270 lbs - Installation 110 lbs - Operating
CWF-B004**R	4	blue, orange, green, brown	.320"	44 lbs/Mft	4.8" - Installation 3.2" - Operating	450 lbs - Installation 180 lbs - Operating
CWF-B006**R	6	blue, orange, green, brown, grey, white	.380"	56 lbs/Mft	5.7" - Installation 3.8" - Operating	670 lbs - Installation 270 lbs - Operating
CWF-B008**R	8	blue, orange, green, brown, grey, white, red, black	.460"	85 lbs/Mft	6.9" - Installation 4.6" - Operating	900 lbs - Installation 380 lbs - Operating
CWF-B012**R	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.555"	95 lbs/Mft	7.7" - Installation 5.1" - Operating	1350 lbs - Installation 560 lbs - Operating
CWF-B018**R	18	same as 12 strand, #13 repeats at blue with continuous dashed markings	.600"	145 lbs/Mft	9.1" - Installation 6.0" - Operating	1800 lbs - Installation 790 lbs - Operating
CWF-B024**R	24	same as 12 strand, #13 repeats at blue with continuous dashed markings	.690"	188 lbs/Mft	10.4" - Installation 6.9" - Operating	2250 lbs - Installation 850 lbs - Operating

DP Series

Plenum Rated Distribution Indoor Optical Fiber Cables

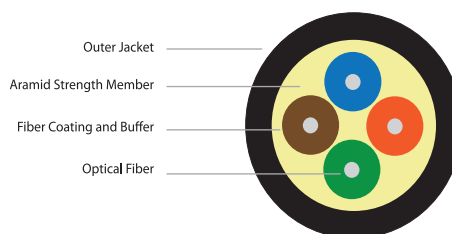


- Indoor Permanent Installation
- Single-Mode or Multi-Mode
- Overall Aramid Strength Member
- 2 - 24 Fiber Elements
- Flexible Jacket
- OFNP Plenum Rated

Part Number: **CWF-Dxxx**P** (see below for variations)
 Description: **Plenum Rated Distribution Indoor Optical Fiber Cables**

Materials & Dimensions

Fiber Type and ** Part Number Code	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 (see chart on page 78 for fiber attenuation and transmission specs)
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	PVC, 900um diameter
Overall Strength Member	Aramid Yarn
Overall Jacket	Flexible Plenum (black, yellow or orange)



Performance Characteristics

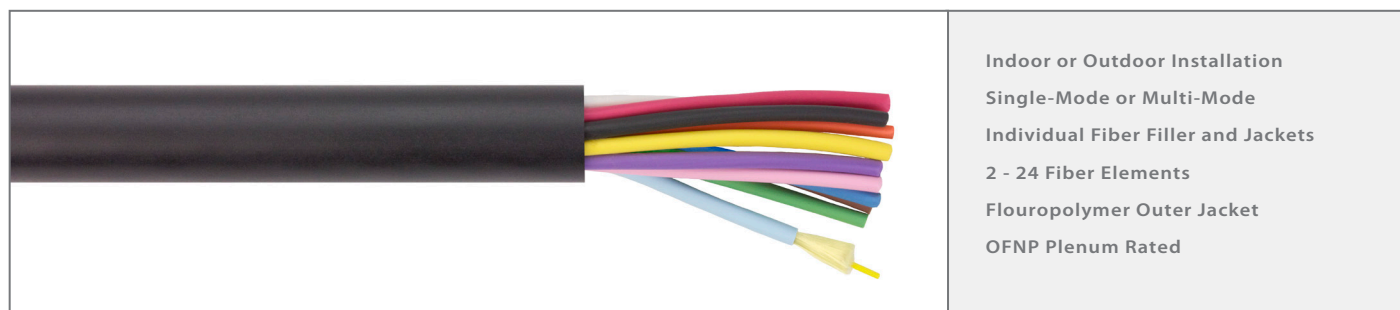
Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperature	Listing
1000 impacts (EIA-455-25A)	1500 N/cm (EIA-455-41A)	100 kpsi	-20°C to 85°C	(UL) OFNP (CSA) FT-6

Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
CWF-D002**P	2	blue, orange	.150"	10 lbs/Mft	2.3" - Installation 1.5" - Operating	270 lbs - Installation 90 lbs - Operating
CWF-D004**P	4	blue, orange, green, brown	.180"	12 lbs/Mft	2.6" - Installation 1.8" - Operating	270 lbs - Installation 90 lbs - Operating
CWF-D006**P	6	blue, orange, green, brown, grey, white	.190"	15 lbs/Mft	2.8" - Installation 1.9" - Operating	310 lbs - Installation 100 lbs - Operating
CWF-D008**P	8	blue, orange, green, brown, grey, white, red, black	.220"	25 lbs/Mft	3.4" - Installation 2.2" - Operating	360 lbs - Installation 120 lbs - Operating
CWF-D012**P	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.240"	27 lbs/Mft	3.7" - Installation 2.4" - Operating	400 lbs - Installation 135 lbs - Operating

BP Series

Plenum Rated Indoor/Outdoor Breakout Optical Fiber Cables

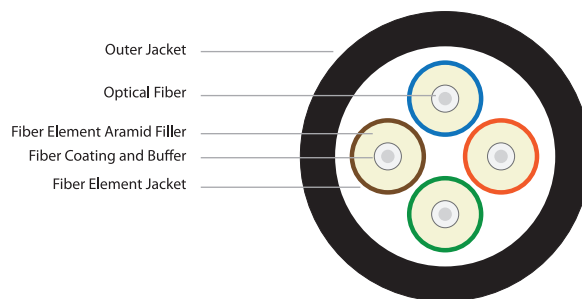


Indoor or Outdoor Installation
 Single-Mode or Multi-Mode
 Individual Fiber Filler and Jackets
 2 - 24 Fiber Elements
 Fluoropolymer Outer Jacket
 OFNP Plenum Rated

Part Number: **CWF-Bxxx**P** (see below for variations)
 Description: **Plenum Rated Indoor/Outdoor Breakout Optical Fiber Cables**

Materials & Dimensions

Fiber Type and ** Part Number Code	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 (see chart on page 78 for fiber attenuation and transmission specs)
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	900um diameter
Element Strength Member	Aramid Yarn (per fiber element)
Element Jacket	Plenum PVC, 2mm O.D. (per fiber element)
Overall Jacket	Fluoropolymer



Performance Characteristics

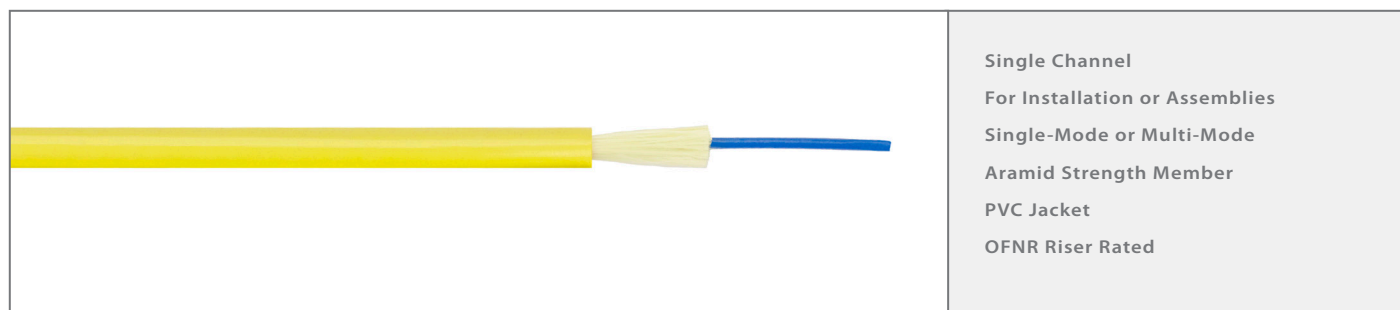
Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperature	Listing
1000 impacts (EIA-455-25A)	2100 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C	(UL) OFNP (CSA) FT-6

Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
CWF-B002**P	2	blue, orange	.260"	31 lbs/Mft	3.9" - Installation 3.9" - Operating	360 lbs - Installation 90 lbs - Operating
CWF-B004**P	4	blue, orange, green, brown	.260"	31 lbs/Mft	3.9" - Installation 3.9" - Operating	360 lbs - Installation 90 lbs - Operating
CWF-B006**P	6	blue, orange, green, brown, grey, white	.290"	41 lbs/Mft	4.4" - Installation 4.4" - Operating	540 lbs - Installation 130 lbs - Operating
CWF-B008**P	8	blue, orange, green, brown, grey, white, red, black	.340"	59 lbs/Mft	5.2" - Installation 5.2" - Operating	720 lbs - Installation 180 lbs - Operating
CWF-B012**P	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.360"	63 lbs/Mft	5.5" - Installation 5.5" - Operating	1080 lbs - Installation 270 lbs - Operating
CWF-B018**P	18	same as 12 strand, then repeats at #13 with continuous dashed markings	.480"	109 lbs/Mft	7.2" - Installation 7.2" - Operating	1350 lbs - Installation 340 lbs - Operating
CWF-B024**P	24	same as 12 strand, then repeats at #13 with continuous dashed markings	.560"	148 lbs/Mft	8.4" - Installation 8.4" - Operating	1620 lbs - Installation 400 lbs - Operating

CBF-01xxR Series

Riser Rated Simplex Fiber Cables

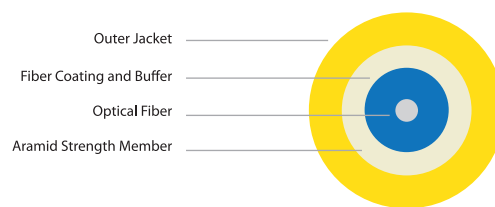


Single Channel
 For Installation or Assemblies
 Single-Mode or Multi-Mode
 Aramid Strength Member
 PVC Jacket
 OFNR Riser Rated

Part Number: **CBF-01**R** (specify fiber type)
 Description: Riser Rated Simplex Fiber

Materials & Dimensions

Fiber Type and Part Number Code	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 <small>(see chart on page 78 for fiber attenuation and transmission specs)</small>
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	Blue PVC, 900um diameter
Strength Member	Aramid Yarn
Jacket	PVC, 2.9mm O.D.
Color	SM: Yellow, MM and MM5: Orange



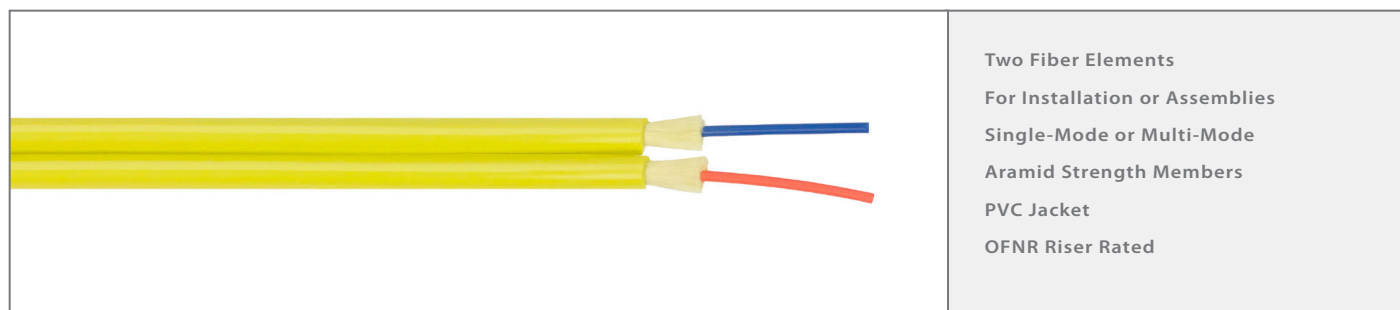
Performance Characteristics

Impact Resistance	Crush Resistance	Proof Test Level	Operating Temperature	Bend Radius (min.)	Tensile Load (max.)	Listings	Weight
1000 impacts (EIA-455-25A)	750 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C	2.0' - Installation 1.2" - Operating	110 lbs - Installation 70 lbs - Operating	(UL) OFNR (CSA) FT-4	5 lbs/Mft

The CBF-01**R series are riser rated, simplex fiber cables for permanent installation, cable assemblies or patching applications. The 125um optical fiber element is coated with a 245um acrylate coating and 900um PVC tight-buffer for added strength. The outer jacket is extruded from a PVC compound that is both flexible and UL listed.

CBF-02xxR Series

Riser Rated Duplex Fiber Cables

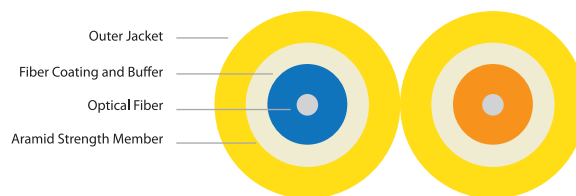


- Two Fiber Elements
- For Installation or Assemblies
- Single-Mode or Multi-Mode
- Aramid Strength Members
- PVC Jacket
- OFNR Riser Rated

Part Number: **CBF-02**R** (specify fiber type)
 Description: Riser Rated Duplex Fiber

Materials & Dimensions

Fiber Type	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 <small>(see chart on page 78 for fiber attenuation and transmission specs)</small>
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	PVC, 900um diameter (one blue, one orange)
Strength Member	Aramid Yarn
Jacket	Yellow PVC, 2.9mm x 5.8mm O.D.
Color	SM: Yellow, MM and MM5: Orange



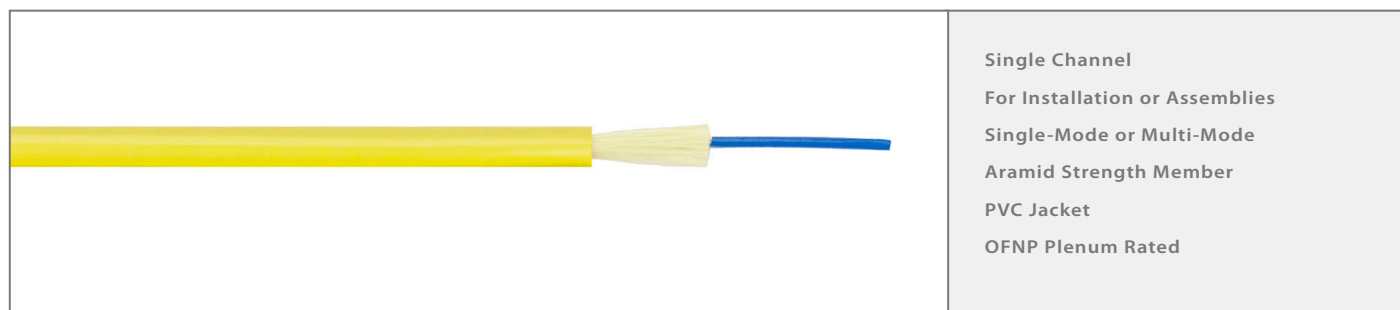
Performance Characteristics

Impact Resistance	Crush Resistance	Proof Test Level	Operating Temperature	Bend Radius (min.)	Tensile Load (max.)	Listings	Weight
1000 impacts (EIA-455-25A)	750 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C	2.0" - Installation 1.2" - Operating	220 lbs - Installation 110 lbs - Operating	(UL) OFNR (CSA) FT-4	11 lbs/Mft

The CBF-02**R series are riser rated, duplex fiber cables for permanent installation, cable assemblies or patching applications. The 125um optical fiber elements are coated with a 245um acrylate coating and 900um PVC tight-buffer for added strength. The outer jacket is extruded from a PVC compound that is both flexible and UL listed.

CWF-01xxP Series

Plenum Rated Simplex Fiber Cables

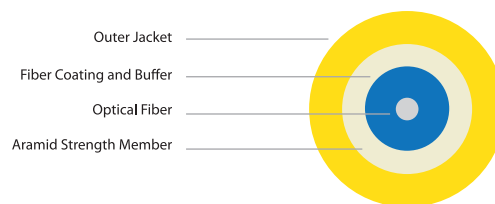


- Single Channel
- For Installation or Assemblies
- Single-Mode or Multi-Mode
- Aramid Strength Member
- PVC Jacket
- OFNP Plenum Rated

Part Number: **CWF-01**P** (specify fiber type)
 Description: **Plenum Rated Simplex Fiber**

Materials & Dimensions

Fiber Type and Part Number Code	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 <small>(see chart on page 78 for fiber attenuation and transmission specs)</small>
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	Blue PVC, 900um diameter
Strength Member	Aramid Yarn
Jacket	Plenum PVC, 2.9mm O.D.
Color	SM: Yellow, MM and MM5: Orange



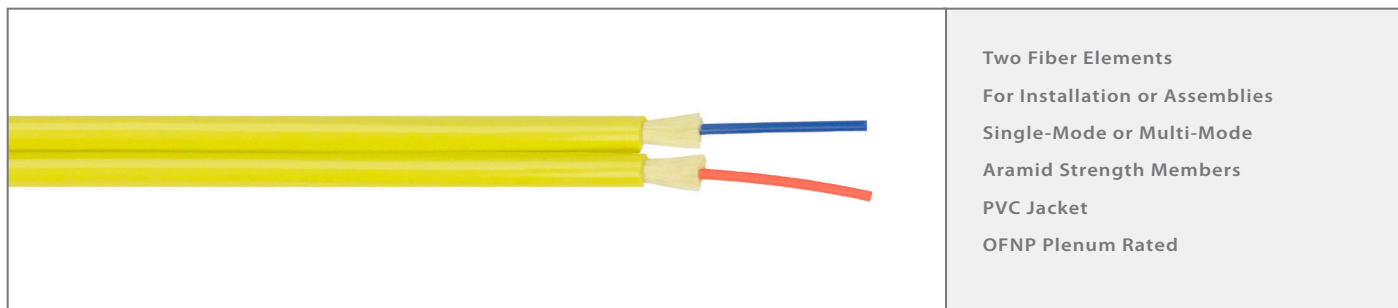
Performance Characteristics

Impact Resistance	Crush Resistance	Proof Test Level	Operating Temperature	Bend Radius (min.)	Tensile Load (max.)	Listings	Weight
200 impacts (EIA-455-25A)	500 N/cm (EIA-455-41A)	100 kpsi	-20°C to 85°C	2.0" - Installation 1.2" - Operating	110 lbs - Installation 70 lbs - Operating	(UL) OFNP (CSA) FT-6	6 lbs/Mft

The CWF-01**P series are plenum rated, simplex fiber cables for permanent installation, cable assemblies or patching applications. The 125um optical fiber element is coated with a 245um acrylate coating and 900um PVC tight-buffer for added strength. The outer jacket is extruded from a PVC compound that is both flexible and UL listed.

CWF-02xxP Series

Plenum Rated Duplex Fiber Cables

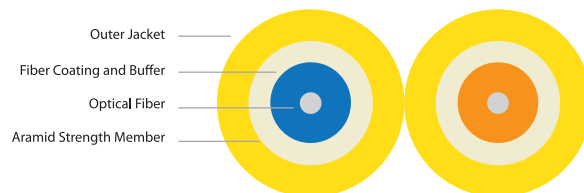


Two Fiber Elements
 For Installation or Assemblies
 Single-Mode or Multi-Mode
 Aramid Strength Members
 PVC Jacket
 OFNP Plenum Rated

Part Number: **CWF-02**P** (specify fiber type)
 Description: **Plenum Rated Duplex Fiber**

Materials & Dimensions

Fiber Type	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3 (see chart on page 78 for fiber attenuation and transmission specs)
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	PVC, 900um diameter (one blue, one orange)
Strength Member	Aramid Yarn
Jacket	Plenum PVC, 2.9mm x 5.8mm O.D.
Color	SM: Yellow, MM and MM5: Orange



Performance Characteristics

Impact Resistance	Crush Resistance	Proof Test Level	Operating Temperature	Bend Radius (min.)	Tensile Load (max.)	Listings	Weight
200 impacts (EIA-455-25A)	500 N/cm (EIA-455-41A)	100 kpsi	-20°C to 85°C	2.0" - Installation 1.2" - Operating	220 lbs - Installation 110 lbs - Operating	(UL) OFNP (CSA) FT-6	12 lbs/Mft

The CWF-02**P series are plenum rated, duplex fiber cables for permanent installation, cable assemblies or patching applications. The 125um optical fiber elements are coated with a 245um acrylate coating and 900um PVC tight-buffer for added strength. The outer jacket is extruded from a PVC compound that is both flexible and UL listed.

Optical Cable Appendix

Attenuation and Maximum Transmission Distances

SINGLE MODE 9um

Product Code: SM

Wavelength	Gigabit Ethernet (max. distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
1310 nm	10 km (1000BASE-LH) 5 km (1000BASE-LX)	10 km (10GBASE-LH)	0.5 dB/km
1550 nm	n/a	40 km (10GBASE-ER)	0.5 dB/km

MULTI-MODE 62.5um OM1

Product Code: MM

Wavelength	Laser Bandwidth (minimum)	LED Bandwidth (minimum)	Gigabit Ethernet (max.distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
850 nm	220 MHz-km	200 MHz-km	300 m	33 m	3.5 dB/km
1310 nm	500 MHz-km	500 MHz-km	600 m	300 m	1.5 dB/km

MULTI MODE 50um OM2

Product Code: MM5

Wavelength	Laser Bandwidth (minimum)	LED Bandwidth (minimum)	Gigabit Ethernet (max. distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
850 nm	510 MHz-km	500 MHz-km	600 m	82 m	3.5 dB/km
1310 nm	500 MHz-km	500 MHz-km	600 m	300 m	1.5 dB/km

MULTI MODE 50um OM3

Product Code: MM53

Wavelength	Laser Bandwidth (minimum)	LED Bandwidth (minimum)	Gigabit Ethernet (max. distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
850 nm	2000 MHz-km	1500 MHz-km	1000 m	300 m	3.0 dB/km
1310 nm	500 MHz-km	500 MHz-km	600 m	300 m	1.0 dB/km

Optical Cable Appendix

Fiber Element Color Code

Fiber Color Code

Element Number	Color
1	blue
2	orange
3	green
4	brown
5	grey
6	white
7	red
8	black
9	yellow
10	purple
11	rose
12	aqua
13	blue w/ dash
14	orange w/ dash
15	green w/ dash
16	brown w/ dash
17	grey w/ dash
18	white w/ dash
19	red w/ dash
20	black w/ dash
21	yellow w/ dash
22	purple w/ dash
23	rose w/ dash
24	aqua w/ dash

Data Cable

PART NUMBER INDEX

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85	CN424C5SP	Plenum Rated Cat5E 350MHz Shielded
86	CN424C5DB	Direct Burial Category 5E 350 MHz
87	CN424C5TF	Ultra-Flexible Tactical Category 5E
88	CN426C5TFS	Ultra-Flexible Tactical Category 5E Shielded
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93	ULK2218	U-Link™ Universal Keypad Automation Control
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96	SMC2210	Ten Conductor 22AWG Multi-Conductor
95	Appendix	Category 5/6 TIA/EIS Wiring Standards

Data and specialty cables built for precision networking solutions and automation.

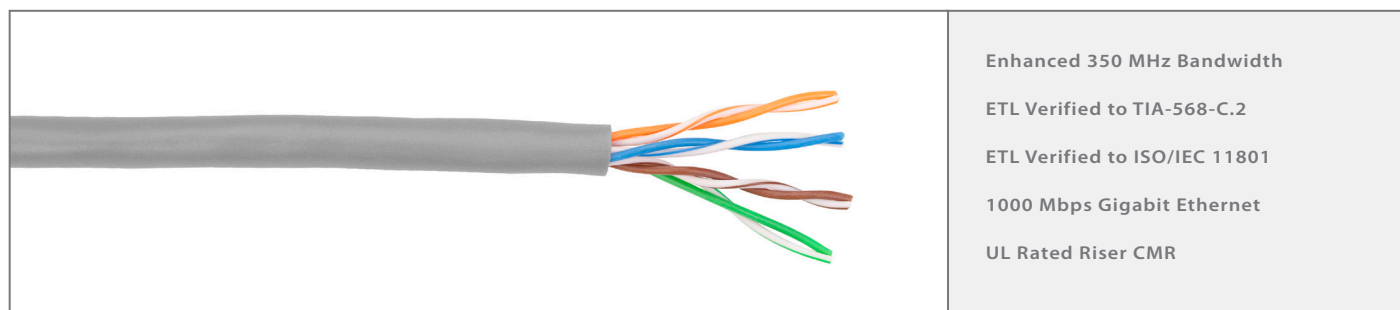
Clark Wire & Cable's data and networking cables are built to meet or exceed industry standards in networking connectivity. Performance coupled with consistency ensures that Clark network cables have the bandwidth and precision required for current and next generation data connectivity formats.

With both specialty and structured cabling solutions, Clark data and networking cables can be used in a variety of applications and environments.



CN424C5

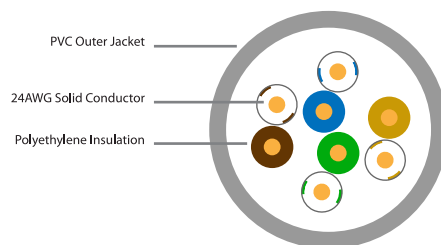
Riser Rated Cat5E 350MHz UTP Cable



Part Number: **CN424C5**
 Description: **Riser Rated Category 5E 350MHz UTP Network Cable**

Materials & Dimensions

Conductors	(8) 24AWG Solid BC (Configured as 4 Pairs)
Insulation	Polyethylene, .008" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Jacket	PVC
Overall Diameter	.200"



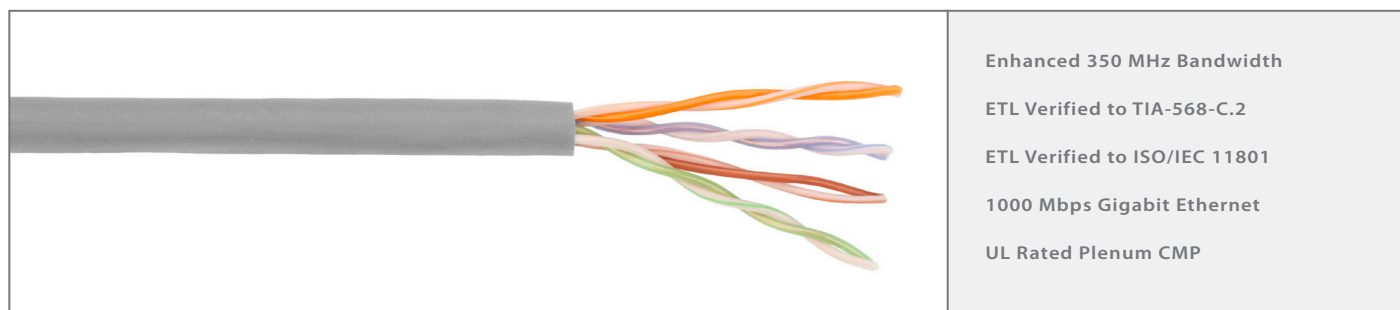
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	40 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-20°C to 75°C	24 lbs/Mft	CMR C(ETL)US, FT-4 ETL Listed & Verified

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	350
Insertion Loss	max. dB/100m	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0	28.1	32.4	38.9	41.0	44.9
	nom. dB/100m	1.8	3.6	5.1	5.8	7.4	8.2	9.3	10.5	14.9	19.2	24.2	27.3	30.9	34.1	37.8
Return Loss	min. dB/100m	23.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.5	16.8	16.3
	nom. dB/100m	38.6	39.8	38.2	38.0	37.4	36.8	35.2	33.3	32.2	31.3	29.8	28.5	27.3	25.6	23.2
NEXT	min. dB/100m	70.3	61.2	56.8	55.3	52.3	50.8	49.3	47.9	43.4	40.3	37.4	35.7	34.8	33.1	32.1
	nom. dB/100m	79.4	69.9	61.9	62.4	57.8	56.4	56.3	53.8	49.8	47.5	45.1	43.3	41.4	40.2	39.0
PS-NEXT	min. dB/100m	68.3	59.3	54.8	53.5	50.3	48.8	47.3	45.9	41.4	38.3	35.4	33.7	32.5	31.1	30.1
	nom. dB/100m	76.9	67.4	59.4	59.9	55.2	53.8	53.6	51.1	47.4	45.0	42.6	40.2	39.0	37.7	36.5
ELFEXT	min. dB/100m	63.8	51.7	45.7	43.8	39.7	39.7	35.8	33.9	27.8	23.8	19.9	17.7	17.1	16.7	16.0
	nom. dB/100m	71.3	59.4	53.2	50.5	47.0	45.0	43.3	41.3	35.8	31.3	27.5	24.7	22.2	20.5	19.4
PS-ELFEXT	min. dB/100m	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8	16.9	14.7	14.0	13.5	12.8
	nom. dB/100m	70.6	58.7	51.1	49.7	45.1	43.6	42.0	40.5	34.5	30.3	26.9	24.5	22.5	20.7	19.6
ACR	min. dB/100m	68.2	57.2	51.0	48.8	43.0	41.5	38.9	36.5	26.4	18.3	10.0	5.0	0.0	-	-
	nom. dB/100m	77.6	66.3	59.8	56.6	53.0	50.5	47.0	43.3	35.0	26.2	20.9	16.0	10.6	6.1	1.2
PS-ACR	min. dB/100m	66.3	55.2	49.0	47.0	42.1	39.5	36.9	34.2	24.4	16.3	7.3	2.0	-	-	-
	nom. dB/100m	75.0	63.5	56.9	53.7	47.4	45.0	43.7	40.0	31.2	24.2	15.9	10.0	4.0	-1.3	-6.4

CN424C5P

Plenum Rated Cat5E 350MHz UTP Cable

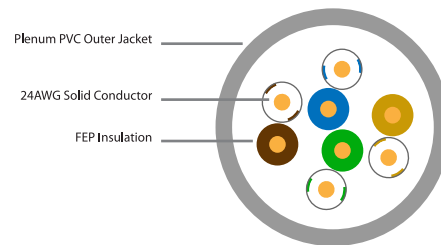


- Enhanced 350 MHz Bandwidth
- ETL Verified to TIA-568-C.2
- ETL Verified to ISO/IEC 11801
- 1000 Mbps Gigabit Ethernet
- UL Rated Plenum CMP

Part Number: **CN424C5P**
 Description: **Plenum Rated Category 5E 350MHz UTP Network Cable**

Materials & Dimensions

Conductors	(8) 24AWG Solid BC (Configured as 4 Pairs)
Insulation	FEP, .008" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Jacket	Plenum PVC
Overall Diameter	.200"



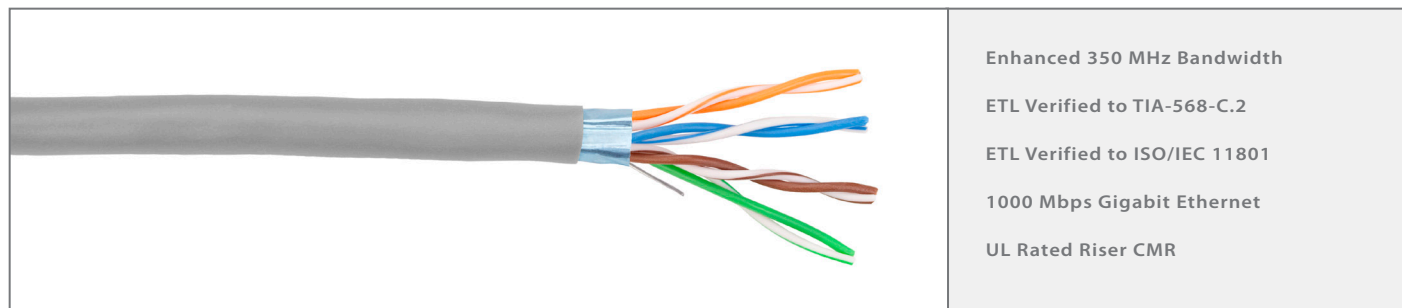
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	40 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-20°C to 75°C	25 lbs/Mft	CMP C(ETL) FT-6 ETL Listed & Verified

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	350
Insertion Loss	max. dB/100m	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0	28.1	32.4	38.9	41.0	44.9
	nom. dB/100m	1.8	3.6	5.1	5.8	7.4	8.2	9.3	10.5	14.9	19.2	24.2	27.3	30.9	34.1	37.8
Return Loss	min. dB/100m	23.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.5	16.8	16.3
	nom. dB/100m	38.6	39.8	38.2	38.0	37.4	36.8	35.2	33.3	32.2	31.3	29.8	28.5	27.3	25.6	23.2
NEXT	min. dB/100m	70.3	61.2	56.8	55.3	52.3	50.8	49.3	47.9	43.4	40.3	37.4	35.7	34.8	33.1	32.1
	nom. dB/100m	79.4	69.9	61.9	62.4	57.8	56.4	56.3	53.8	49.8	47.5	45.1	43.3	41.4	40.2	39.0
PS-NEXT	min. dB/100m	68.3	59.3	54.8	53.5	50.3	48.8	47.3	45.9	41.4	38.3	35.4	33.7	32.5	31.1	30.1
	nom. dB/100m	76.9	67.4	59.4	59.9	55.2	53.8	53.6	51.1	47.4	45.0	42.6	40.2	39.0	37.7	36.5
ELFEXT	min. dB/100m	63.8	51.7	45.7	43.8	39.7	39.7	35.8	33.9	27.8	23.8	19.9	17.7	17.1	16.7	16.0
	nom. dB/100m	71.3	59.4	53.2	50.5	47.0	45.0	43.3	41.3	35.8	31.3	27.5	24.7	22.2	20.5	19.4
PS-ELFEXT	min. dB/100m	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8	16.9	14.7	14.0	13.5	12.8
	nom. dB/100m	70.6	58.7	51.1	49.7	45.1	43.6	42.0	40.5	34.5	30.3	26.9	24.5	22.5	20.7	19.6
ACR	min. dB/100m	68.2	57.2	51.0	48.8	43.0	41.5	38.9	36.5	26.4	18.3	10.0	5.0	0.0	-	-
	nom. dB/100m	77.6	66.3	59.8	56.6	53.0	50.5	47.0	43.3	35.0	26.2	20.9	16.0	10.6	6.1	1.2
PS-ACR	min. dB/100m	66.3	55.2	49.0	47.0	42.1	39.5	36.9	34.2	24.4	16.3	7.3	2.0	-	-	-
	nom. dB/100m	75.0	63.5	56.9	53.7	47.4	45.0	43.7	40.0	31.2	24.2	15.9	10.0	4.0	-1.3	-6.4

CN424C5S

Riser Rated Cat5E 350MHz Shielded STP Cable

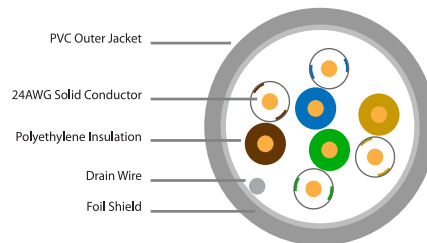


- Enhanced 350 MHz Bandwidth
- ETL Verified to TIA-568-C.2
- ETL Verified to ISO/IEC 11801
- 1000 Mbps Gigabit Ethernet
- UL Rated Riser CMR

Part Number: **CN424C5S**
 Description: Riser Rated Category 5E 350MHz Shielded STP Cable

Materials & Dimensions

Conductors	(8) 24AWG Solid BC (Configured as 4 Pairs)
Insulation	Polyethylene, .009" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Shield	100% Foil w/ 26AWG Solid TC Drain Wire
Jacket	PVC
Overall Diameter	.242"



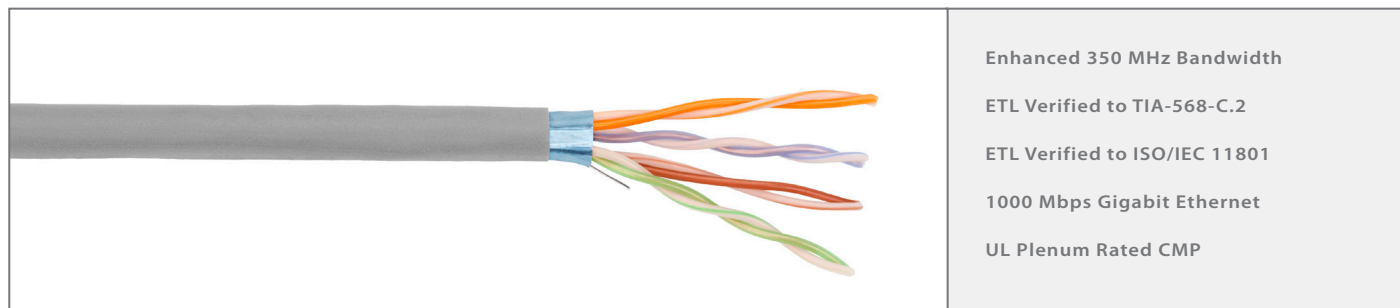
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	40 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-20°C to 75°C	30 lbs/Mft	(ETL) CMR, C(ETL) FT-4 ETL Listed & Verified

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100	155	200	240	300	350
Insertion Loss	max. dB /100m	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0	28.1	32.4	36.0	41.0	44.9
Return Loss	min. dB/100m	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.4	16.8	16.3
NEXT	min. dB/100m	70.3	61.2	56.8	55.3	52.3	50.8	49.3	47.9	43.4	40.3	37.4	35.7	34.8	33.1	32.1
PS-NEXT	min. dB/100m	66.3	57.3	52.8	51.5	48.3	46.8	45.3	43.6	39.4	36.3	33.5	31.8	30.6	29.2	28.1
ELFEXT	min. dB/100m	63.8	51.7	45.7	43.8	39.7	39.7	35.8	33.9	27.8	24.0	20.0	17.7	16.2	14.2	12.9
PS-ELFEXT	min. dB/100m	60.8	48.7	42.7	40.8	36.7	34.8	32.8	30.9	24.8	21.0	17.0	14.7	13.2	11.2	9.9
Delay	ns/100m	570.0	552.0	546.7	545.4	543.0	542.0	541.2	540.4	538.6	537.6	-	-	-	-	-

CN424C5SP

Plenum Rated Cat5E 350MHz Shielded STP Cable

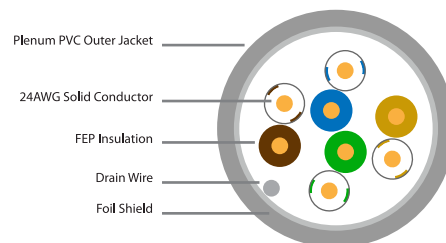


Enhanced 350 MHz Bandwidth
 ETL Verified to TIA-568-C.2
 ETL Verified to ISO/IEC 11801
 1000 Mbps Gigabit Ethernet
 UL Plenum Rated CMP

Part Number: **CN424C5SP**
 Description: **Plenum Rated Category 5E 350MHz Shielded STP Cable**

Materials & Dimensions

Conductors	(8) 24AWG Solid BC (Configured as 4 Pairs)
Insulation	FEP, .009" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Shield	100% Foil w/ 26AWG Solid TC Drain Wire
Jacket	PVC
Overall Diameter	.233"



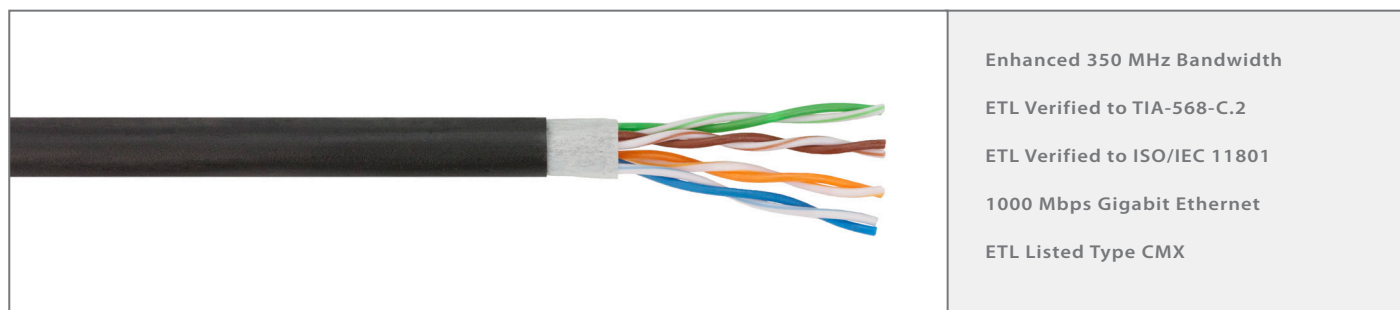
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	40 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-20°C to 75°C	34 lbs/Mft	(ETL) CMP C(ETL) CMP FT-6 ETL Listed & Verified

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100	155	200	240	300	350
Insertion Loss	max. dB/100m	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0	28.1	32.4	36.0	41.0	44.9
Return Loss	min. dB/100m	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.4	16.8	16.3
NEXT	min. dB/100m	68.3	59.3	54.8	53.3	50.3	48.8	47.3	45.9	41.4	38.3	35.5	33.8	32.6	31.2	30.1
PS-NEXT	min. dB/100m	66.3	57.3	52.8	51.3	48.3	46.8	45.3	43.6	39.4	36.3	33.5	31.8	30.6	29.2	28.1
ELFEXT	min. dB/100m	63.8	51.7	45.7	43.8	39.7	37.8	35.8	33.9	27.8	24.0	20.0	17.7	16.2	14.2	12.9
PS-ELFEXT	min. dB/100m	60.8	48.7	42.7	40.8	36.7	34.8	32.8	30.9	24.8	21.0	17.0	14.7	13.2	11.2	9.9
Delay	ns/100m	570.0	552.0	546.7	545.4	543.0	542.0	541.2	540.4	538.6	537.6	-	-	-	-	-

CN424C5DB

Direct Burial Category 5E 350 MHz UTP Cable

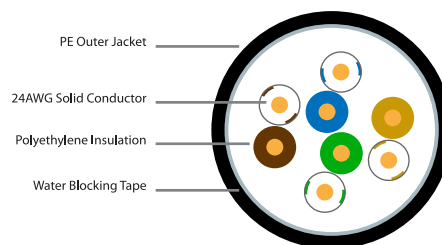


- Enhanced 350 MHz Bandwidth
- ETL Verified to TIA-568-C.2
- ETL Verified to ISO/IEC 11801
- 1000 Mbps Gigabit Ethernet
- ETL Listed Type CMX

Part Number: **CN424C5DB**
 Description: Direct Burial Category 5E 350MHz UTP Cable

Materials & Dimensions

Conductors	(8) 24AWG Solid BC (Configured as 4 Pairs)
Insulation	Polyethylene, .008" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Barrier	Water-Blocking Tape
Jacket	Polyethylene
Overall Diameter	.205"



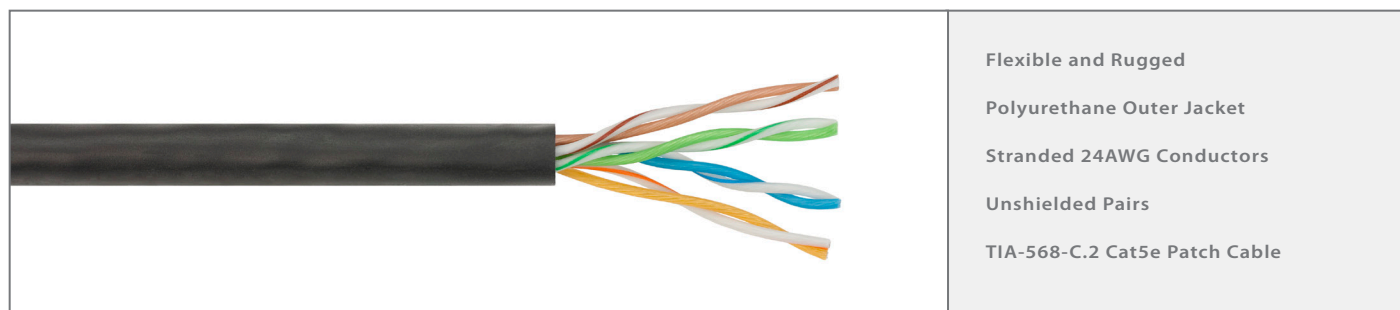
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	45 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-40°C to 75°C	22 lbs/Mft	(ETL) CMX C(ETL) CMX ETL Listed & Verified

Frequency (MHz)		1	4	10	16	20	25	31.25	62.5	100	350
Insertion Loss	max. dB/100m	2.0	4.1	6.5	8.2	9.3	10.4	11.7	17.0	22.0	44.9
Return Loss	min. dB/100m	20.0	23.0	25.0	25.0	25.0	24.3	23.6	21.5	20.1	16.3
NEXT	min. dB/100m	65.3	56.3	50.3	47.3	45.8	44.3	42.9	38.4	35.3	27.2
PS-NEXT	min. dB/100m	61.0	49.0	41.0	36.9	35.0	33.0	31.1	25.1	21.0	10.1
ELFEXT	min. dB/100m	64.0	52.0	44.0	39.9	38.0	36.0	34.1	28.1	24.0	13.1
PS-ELFEXT	min. dB/100m	61.0	49.0	41.0	36.9	35.0	33.0	31.1	25.1	21.0	10.1
ACR	min. dB/100m	63.3	52.2	43.8	39.0	36.5	33.9	31.2	21.4	13.3	-
Delay	max. ns/100m	570.0	552.0	545.4	543.0	542.0	541.2	540.5	538.6	537.6	535.9

CN424C5TF

Ultra-Flexible Tactical Category 5e UTP Cable

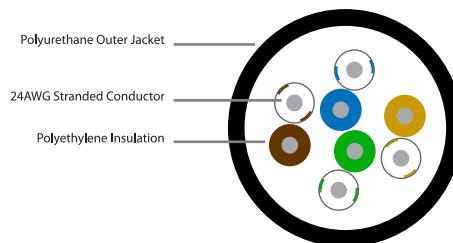


- Flexible and Rugged
- Polyurethane Outer Jacket
- Stranded 24AWG Conductors
- Unshielded Pairs
- TIA-568-C.2 Cat5e Patch Cable

Part Number: **CN424C5TF**
 Description: **Ultra-Flexible Tactical Category 5E UTP Cable**

Materials & Dimensions

Conductors	(8) 24AWG (7x32) Stranded TC (Configured as 4 Pairs)
Insulation	Polyethylene, .007" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Jacket	Polyurethane
Overall Diameter	.228"
Color	Black



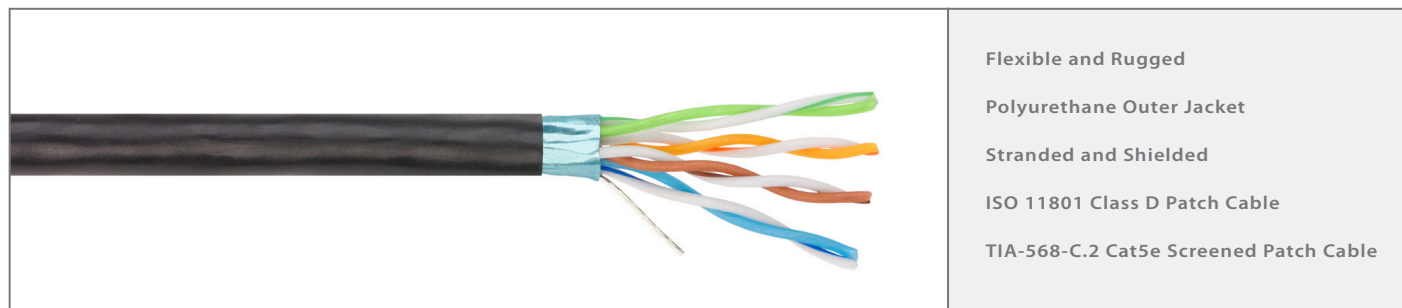
Performance Characteristics

DCR	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight
26.0 Ω/100m	100Ω (+/- 15)	25 ms/100m (max.)	13.5 pF/ft (mutual)	-40°C to 75°C	21 lbs/Mft

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100
Insertion Loss	max. dB/100m	3.6	6.4	9.0	10.0	13.2	14.7	16.3	18.3	26.4	34.3
Return Loss	min. dB/100m	20.0	23.0	24.5	25.0	25.0	25.0	24.2	23.3	20.7	19.0
NEXT	min. dB/100m	65.3	56.3	51.8	50.3	47.3	45.8	44.3	42.9	38.4	35.3
PS-NEXT	min. dB/100m	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3
ELFEXT	min. dB/100m	63.8	51.7	45.7	43.8	39.7	37.7	35.8	33.9	27.8	23.8
PS-ELFEXT	min. dB/100m	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8

CN426C5TFS

Ultra-Flexible Tactical Category 5E Shielded STP Cable

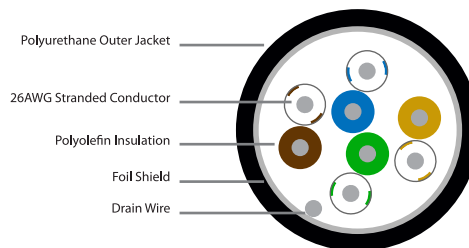


- Flexible and Rugged
- Polyurethane Outer Jacket
- Stranded and Shielded
- ISO 11801 Class D Patch Cable
- TIA-568-C.2 Cat5e Screened Patch Cable

Part Number: **CN426C5TFS**
 Description: Tactical Category 5 Shielded STP Cable

Materials & Dimensions

Conductors	(8) 26AWG (7x34) Stranded TC (Configured as 4 Pairs)
Insulation	Polyolefin, .010" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Shield	100% Foil w/ 26AWG (7x34) Stranded TC Drain Wire
Jacket	Polyurethane
Overall Diameter	.217"
Available Colors	Black



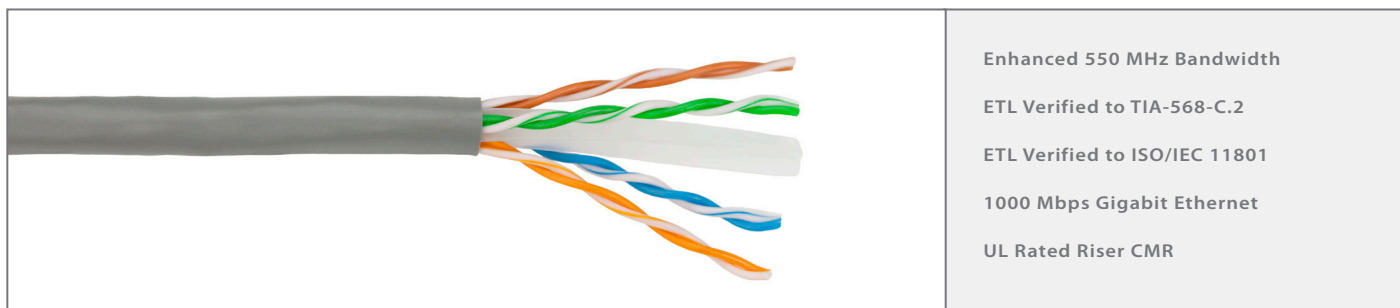
Performance Characteristics

DCR	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight
42.6 Ω/100m	100Ω (+/- 15)	25 ms/100m (max.)	13.5 pF/ft (mutual)	-40°C to 75°C	25 lbs/Mft

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100
Insertion Loss	max. dB/100m	3.1	6.1	8.6	9.7	12.4	13.9	15.6	17.6	25.5	33.0
Return Loss	min. dB/100m	20.0	23.0	24.5	25.0	25.0	25.0	24.2	23.3	20.7	19.0
NEXT	min. dB/100m	65.3	56.3	51.8	50.3	47.3	45.8	44.3	42.9	38.4	35.3
PS-NEXT	min. dB/100m	62.3	53.3	48.8	47.3	44.3	42.8	41.3	39.9	35.4	32.3
ELFEXT	min. dB/100m	63.8	51.7	45.7	43.8	39.7	37.7	35.8	33.9	27.8	23.8
PS-ELFEXT	min. dB/100m	60.8	48.7	42.7	40.8	36.7	34.7	32.8	30.9	24.8	20.8

CN423C6

Riser Rated Category 6 550MHz Enhanced UTP Cable

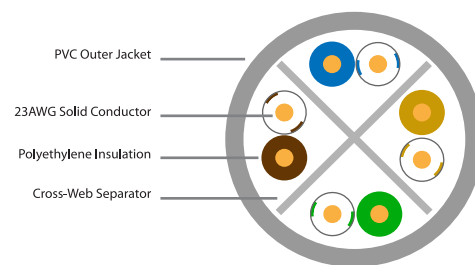


Enhanced 550 MHz Bandwidth
 ETL Verified to TIA-568-C.2
 ETL Verified to ISO/IEC 11801
 1000 Mbps Gigabit Ethernet
 UL Rated Riser CMR

Part Number: **CN423C6**
 Description: Riser Rated Category 6 550MHz Enhanced UTP Cable

Materials & Dimensions

Conductors	(8) 23AWG Solid BC (Configured as 4 Pairs)
Insulation	Polyethylene, .009" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Separator	Cross-Web PVC
Jacket	PVC
Overall Diameter	.244"



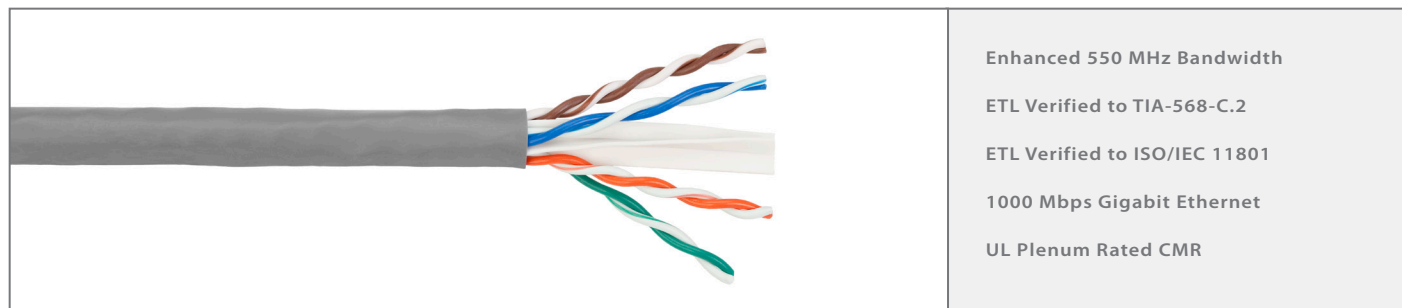
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	40 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-20°C to 75°C	30 lbs/Mft	CMR C(ETL) CMG, FT-4 ETL Listed & Verified

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	350	400	450	500	550
Insertion Loss	max. dB/100m	2.0	3.8	5.3	5.9	7.4	8.3	9.3	10.4	14.9	19.0	23.9	27.4	30.8	34.0	37.0	39.7	42.1	44.9	47.3
Return Loss	min. dB/100m	20.0	23.6	25.4	26.0	26.0	26.0	25.5	25.0	23.5	22.5	21.6	21.0	20.5	20.1	19.8	19.5	19.2	19.0	18.8
NEXT	min. dB/100m	77.3	68.3	63.8	62.3	59.3	57.8	56.3	54.9	50.4	47.3	45.8	42.8	41.3	40.2	39.2	38.3	37.5	36.8	36.2
PS-NEXT	min. dB/100m	75.3	66.3	61.8	60.3	57.3	55.8	54.3	52.9	48.4	45.3	43.5	40.8	39.3	38.2	37.2	36.3	35.5	34.8	34.2
ELFEXT	min. dB/100m	70.8	58.7	52.7	50.8	46.7	44.7	42.8	40.9	34.8	30.8	27.0	24.7	22.8	21.2	19.9	18.7	17.7	16.8	15.9
PS-ELFEXT	min. dB/100m	67.8	55.7	49.7	47.8	43.7	41.7	39.8	37.9	31.8	27.8	23.6	21.7	19.8	18.2	16.9	15.7	14.7	13.8	12.9
ACR	min. dB/100m	75.0	64.0	57.7	55.6	50.7	48.2	45.6	42.8	32.9	24.9	21.0	18.4	13.5	9.6	5.2	1.5	-	-	-
PS-ACR	min. dB/100m	73.0	62.0	55.7	53.6	48.7	46.2	43.6	40.8	30.9	22.9	21.5	16.4	11.5	5.0	3.2	-	-	-	-

CN423C6P

Plenum Rated Category 6 550MHz Enhanced UTP Cable

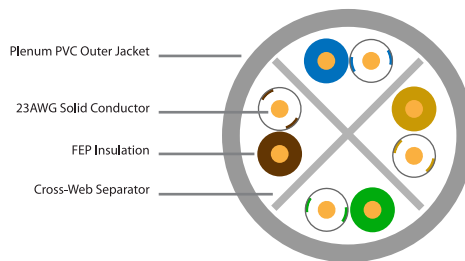


Enhanced 550 MHz Bandwidth
 ETL Verified to TIA-568-C.2
 ETL Verified to ISO/IEC 11801
 1000 Mbps Gigabit Ethernet
 UL Plenum Rated CMR

Part Number: **CN423C6P**
 Description: **Plenum Rated Category 6 550MHz Enhanced UTP Cable**

Materials & Dimensions

Conductors	(8) 23AWG Solid BC (Configured as 4 Pairs)
Insulation	FEP, .008" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Separator	Cross-Web PVC
Jacket	Plenum PVC
Overall Diameter	.236"



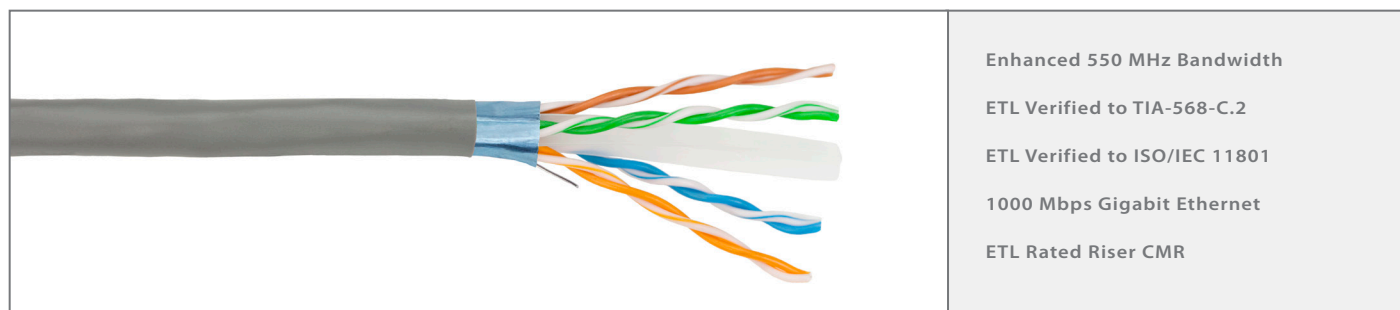
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	40 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	0°C to 60°C	33 lbs/Mft	CMP, C(ETL) FT-6 ETL Listed & Verified

Frequency (MHz)		1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	350	400	450	500	550
Insertion Loss	max. dB/100m	2.0	3.8	5.3	5.9	7.4	8.3	9.3	10.4	14.9	19.0	23.9	27.4	30.8	34.0	37.0	39.7	42.1	44.9	47.3
Return Loss	min. dB/100m	20.0	23.6	25.4	26.0	26.0	26.0	25.5	25.0	23.5	22.5	21.6	21.0	20.5	20.1	19.8	19.5	19.2	19.0	18.8
NEXT	min. dB/100m	77.3	68.3	63.8	62.3	59.3	57.8	56.3	54.9	50.4	47.3	45.8	42.8	41.3	40.2	39.2	38.3	37.5	36.8	36.2
PS-NEXT	min. dB/100m	75.3	66.3	61.8	60.3	57.3	55.8	54.3	52.9	48.4	45.3	43.5	40.8	39.3	38.2	37.2	36.3	35.5	34.8	34.2
ELFEXT	min. dB/100m	70.8	58.7	52.7	50.8	46.7	44.7	42.8	40.9	34.8	30.8	27.0	24.7	22.8	21.2	19.9	18.7	17.7	16.8	15.9
PS-ELFEXT	min. dB/100m	67.8	55.7	49.7	47.8	43.7	41.7	39.8	37.9	31.8	27.8	23.6	21.7	19.8	18.2	16.9	15.7	14.7	13.8	12.9
ACR	min. dB/100m	75.0	64.0	57.7	55.6	50.7	48.2	45.6	42.8	32.9	24.9	21.0	18.4	13.5	9.6	5.2	1.5	-	-	-
PS-ACR	min. dB/100m	73.0	62.0	55.7	53.6	48.7	46.2	43.6	40.8	30.9	22.9	21.5	16.4	11.5	5.0	3.2	-	-	-	-

CN423C6S

Riser Rated Category 6 550MHz Enhanced Shielded STP Cable

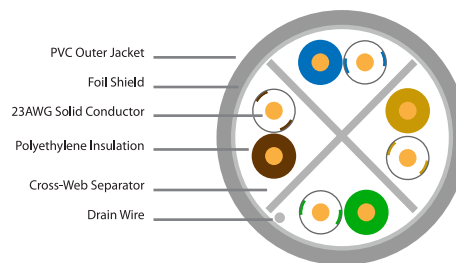


Enhanced 550 MHz Bandwidth
 ETL Verified to TIA-568-C.2
 ETL Verified to ISO/IEC 11801
 1000 Mbps Gigabit Ethernet
 ETL Rated Riser CMR

Part Number: **CN423C6S**
 Description: Riser Rated Category 6 550MHz Shielded STP Cable

Materials & Dimensions

Conductors	(8) 23AWG Solid BC (Configured as 4 Pairs)
Insulation	Polyethylene, .009" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Separator	Cross-Web PVC
Shield	100% Foil w/ 26AWG Solid TC Drain Wire
Jacket	PVC
Overall Diameter	.244"



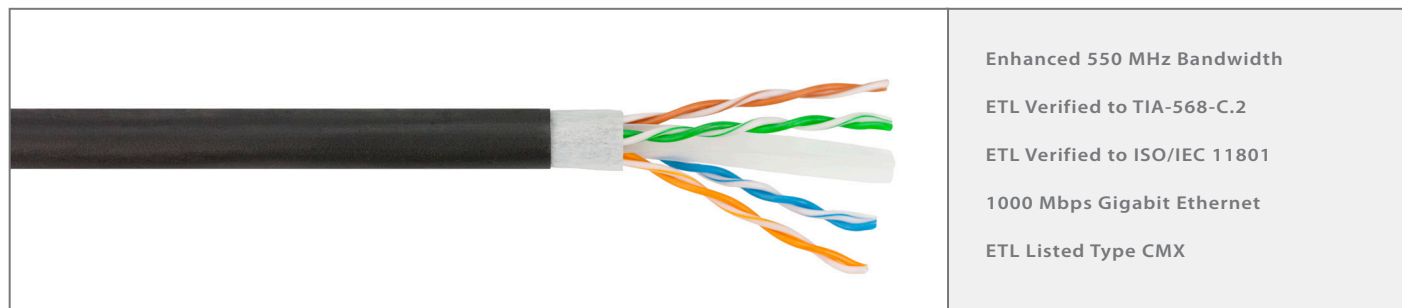
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	45 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	0°C to 60°C	42 lbs/Mft	CMR C(ETL) FT-4 ETL Listed & Verified

Frequency (MHz)	1	4	8	10	16	20	25	31.25	62.5	100	155	200	250	300	350	400	450	500	550
Insertion Loss max. dB/100m	2.0	3.8	5.3	5.9	7.4	8.3	9.3	10.4	14.9	19.0	23.9	27.4	30.8	34.0	37.0	39.7	42.1	44.9	47.3
Return Loss min. dB/100m	20.0	23.6	25.4	26.0	26.0	26.0	25.5	25.0	23.5	22.5	21.6	21.0	20.5	20.1	19.8	19.5	19.2	19.0	18.8
NEXT min. dB/100m	77.3	68.3	63.8	62.3	59.3	57.8	56.3	54.9	50.4	47.3	45.8	42.8	41.3	40.2	39.2	38.3	37.5	36.8	36.2
PS-NEXT min. dB/100m	75.3	66.3	61.8	30.3	57.3	55.8	54.3	52.9	48.4	45.3	43.5	40.8	39.3	38.2	37.2	36.3	35.5	34.8	34.2
ELFEXT min. dB/100m	70.8	58.7	52.7	50.8	46.7	44.7	42.8	40.9	34.8	30.8	27.0	24.7	22.8	21.2	19.9	18.7	17.7	16.8	15.9
PS-ELFEXT min. dB/100m	67.8	55.7	49.7	47.8	43.7	41.7	39.8	37.9	31.8	27.8	23.6	21.7	19.8	18.2	16.9	15.7	14.7	13.8	12.9
ACR min. dB/100m	75.0	64.0	57.7	55.6	50.7	48.2	45.6	42.8	32.9	24.9	21.0	18.4	13.5	9.6	5.2	1.5	-	-	-
PS-ACR min. dB/100m	73.0	62.0	55.7	53.6	48.7	16.2	13.6	40.8	30.9	22.9	21.5	16.4	11.5	5.0	3.2	-	-	-	-

CN423C6DB

Direct Burial Category 6 550MHz Enhanced UTP Cable

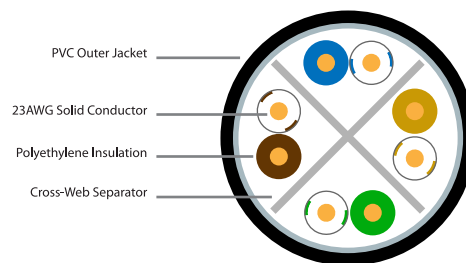


Enhanced 550 MHz Bandwidth
 ETL Verified to TIA-568-C.2
 ETL Verified to ISO/IEC 11801
 1000 Mbps Gigabit Ethernet
 ETL Listed Type CMX

Part Number: **CN423C6DB**
 Description: Direct Burial Category 6 550MHz Enhanced UTP Cable

Materials & Dimensions

Conductors	(8) 23AWG Solid BC (Configured as 4 Pairs)
Insulation	Polyethylene, .009" wall
Insulation Color Code	Pair 1: Blue & White w/ Blue Stripe Pair 2: Orange & White w/ Orange Stripe Pair 3: Green & White w/ Green Stripe Pair 4: Brown & White w/ Brown Stripe
Separator	Cross-Web PVC
Jacket	Polyethylene
Overall Diameter	.244"



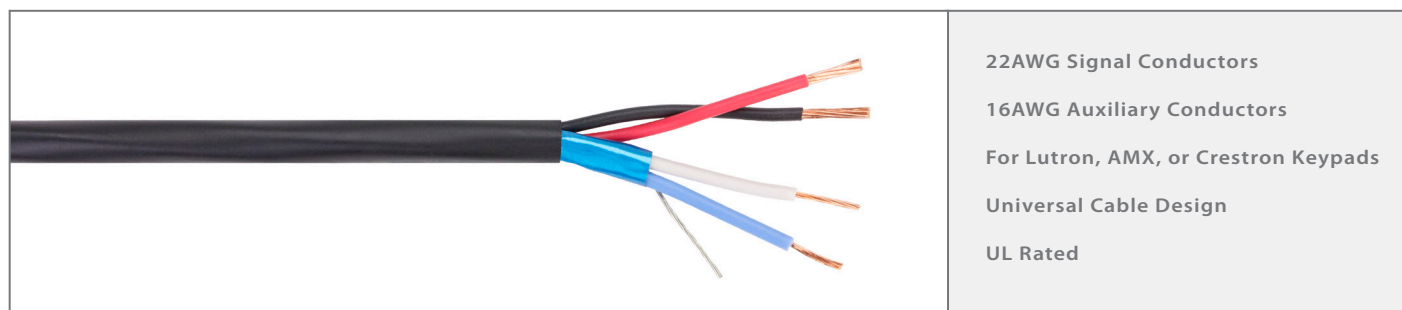
Performance Characteristics

DCR	DCR Unbalance	Characteristic Impedance	Skew	Capacitance	Operating Temperature	Weight	Agency Listing
9.38 Ω/100m	5%	100Ω (+/- 15)	45 ms/100m (max.)	5.6 nF/100m (mutual) 330 pF/100m (pair-to-pair ground unbalanced)	-40°C to 75°C	30 lbs/Mft	(ETL) CMX C(ETL) CMX ETL Listed & Verified

Frequency (MHz)	1	4	10	16	20	25	31.25	62.5	100	200	250	350	550	
Insertion Loss	max. dB/100m	2.0	3.8	5.9	7.5	8.5	9.5	10.7	15.4	19.8	29.0	32.9	39.8	51.8
Return Loss	min. dB/100m	20.0	23.0	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.0	17.3	16.3	14.9
NEXT	min. dB/100m	74.3	65.3	59.3	56.3	54.8	53.3	51.9	47.4	44.3	39.8	38.3	36.2	33.2
PS-NEXT	min. dB/100m	72.3	63.3	57.3	54.3	52.8	51.3	49.9	45.4	51.3	38.8	36.3	34.4	31.2
ELFEXT	min. dB/100m	67.8	55.8	47.8	43.7	41.8	39.8	37.9	31.9	27.8	21.8	19.8	16.9	13.0
PS-ELFEXT	min. dB/100m	64.8	52.8	44.8	40.7	38.8	36.8	34.9	28.9	24.8	18.8	16.8	13.9	10.0
ACR	min. dB/100m	72.7	61.4	53.4	48.7	46.3	43.8	41.2	32.0	24.5	10.8	5.5	-3.7	-18.6
Delay	max. ns/100m	570.0	552.0	545.4	543.0	542.0	541.2	540.5	538.6	537.6	536.6	536.3	535.9	535.5

ULK2218

U-Link™ Universal Keypad Automation Control Cable

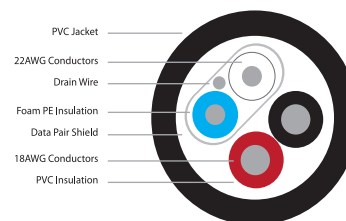


22AWG Signal Conductors
 16AWG Auxiliary Conductors
 For Lutron, AMX, or Crestron Keypads
 Universal Cable Design
 UL Rated

Part Number: **ULK2218**
 Description: U-Link™ Universal Keypad Automation Control Cable

Materials & Dimensions

Signal Elements	22AWG (7x30) BC Conductors Foam PE Insulation, .020" wall 100% Foil Shield w/ 24AWG (7x32) TC Drain Wire
Aux Elements	18AWG (7x26) BC Conductors PVC Insulation, .007" wall
Overall Jacket	PVC, Black



Signal Elements	Signal Color Code	Aux Elements	Aux Color Code	Overall Diameter	Weight	Bend Radius
2	White, Blue	2	Red, Black	.245"	38 lbs/Mft	2.5" min.

Performance Characteristics

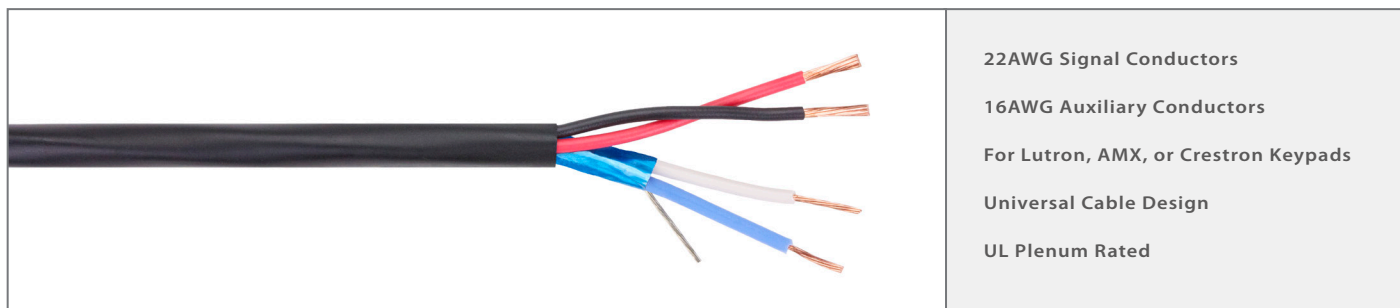
DC Resistance	Impedance	Operating Temperature	UL Rating
Signal Conductor: 14.4 Ω/Mft Aux Conductor: 6.4 Ω/Mft Shield + Drain: 22.0 Ω/Mft	100Ω	-20°C to 75°C	CL3 or CM C(UL)US

Clark's U-Link™ ULK2218 is a universal control cable designed for use with Crestron, AMX and Lutron keypad to base station wiring in commercial and residential automation and conferencing systems. The U-Link ULK2218 has two twisted pair elements under a single-jacket to provide separate elements for the signal and power feeds to the keypad. To provide low attenuation, the data pair has a low-capacitance foam dielectric that reduces the high frequency signal attenuation within the pair. UL rated for permanent installation, the U-Link ULK2218 can be installed in most non-plenum permanent installation environments.

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ULK2218P

Plenum U-Link™ Universal Automation Control Cable

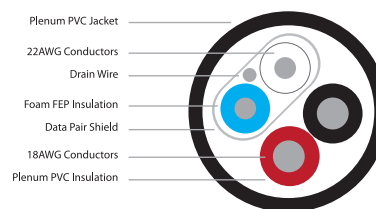


22AWG Signal Conductors
 16AWG Auxiliary Conductors
 For Lutron, AMX, or Crestron Keypads
 Universal Cable Design
 UL Plenum Rated

Part Number: **ULK2218P**
 Description: U-Link™ Plenum Universal Automation Control Cable

Materials & Dimensions

Signal Elements	22AWG (7x30) BC Conductors Foam FEP Insulation, .020" wall 100% Foil Shield w/ 24AWG (7x32) TC Drain Wire
Aux Elements	18AWG (7x26) BC Conductors Plenum PVC Insulation, .007" wall
Overall Jacket	Plenum PVC, Black



Signal Elements	Signal Color Code	Aux Elements	Aux Color Code	Overall Diameter	Weight	Bend Radius
2	White, Blue	2	Red, Black	.187"	29 lbs/Mft	1.9" min.

Performance Characteristics

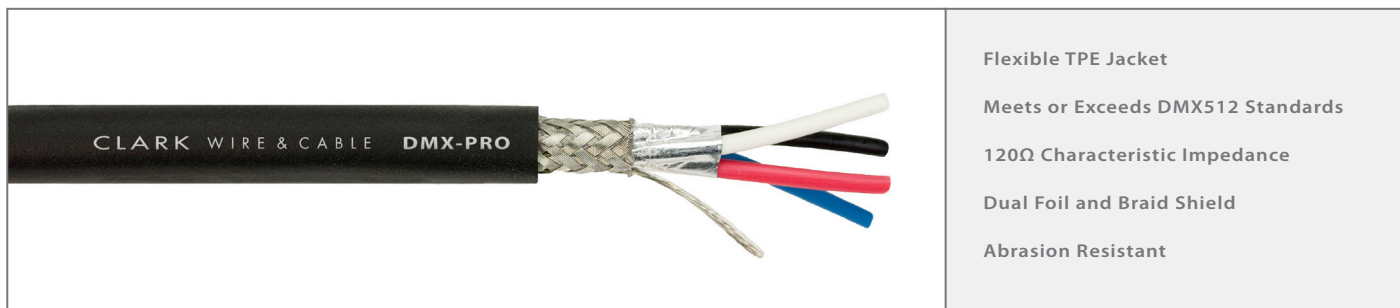
DC Resistance	Impedance	Operating Temperature	UL Rating
Signal Conductor: 14.4 Ω/Mft Aux Conductor: 6.4 Ω/Mft Shield + Drain: 22.0 Ω/Mft	100Ω	-20°C to 75°C	CL3P or CMP C(UL)US

Clark's U-Link™ ULK2218P is a universal control cable designed for use with Crestron, AMX and Lutron keypad to base station wiring in commercial and residential automation and conferencing systems. The U-Link ULK2218P has two twisted pair elements under a single-jacket to provide separate elements for the signal and power feeds to the keypad. To provide low attenuation, the data pair has a low-capacitance foam dielectric that reduces the high frequency signal attenuation within the pair. UL plenum rated for permanent installation, the U-Link ULK2218P can be installed in most plenum permanent installation environments.

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DMX-PRO

DMX512 Lighting Control Cable

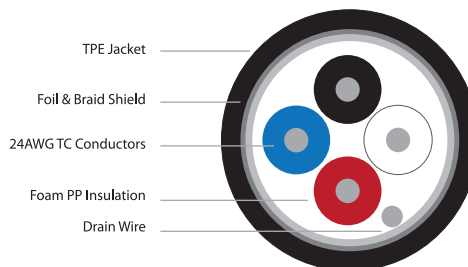


- Flexible TPE Jacket
- Meets or Exceeds DMX512 Standards
- 120Ω Characteristic Impedance
- Dual Foil and Braid Shield
- Abrasion Resistant

Part Number: **DMX-PRO**
 Description: 24AWG Four Conductor DMX512 Lighting Control Cable

Materials & Dimensions

Conductors	(4) 24AWG (7 x 32) Stranded TC
Insulation	Foam Polypropylene, .021" wall, (black & red, blue & white)
Shield	90% TC Braid & 100% Foil with 24AWG (7 x 32) Stranded TC Drain Wire
Jacket	Flexible TPE, .270" O.D.
Color	Black



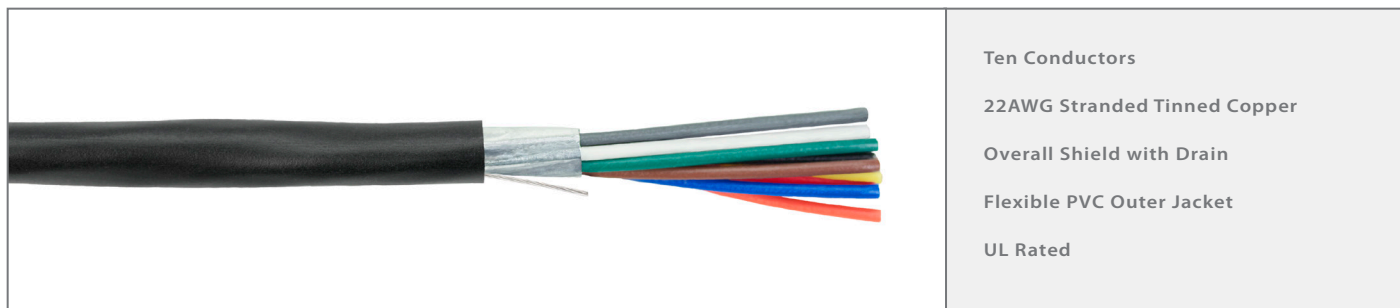
Performance Characteristics

DC Resistance	Capacitance	Characteristic Impedance	Temperature Range	Weight
Conductor: 23.5Ω/Mft Shield w/ Drain: 3.4Ω/Mft	11.5 pF/ft between conductors	120Ω	-35°C to 75°C	45 lbs/Mft

Clark's DMX-PRO lighting control cable is designed specifically for the requirements of DMX512 control applications. The DMX-PRO has two low-capacitance balanced pairs for control and auxiliary signals. Specifically designed to meet the electrical performance specifications of DMX512, the DMX-PRO has a true 120Ω characteristic impedance and broadband foil and braid shield to ensure reliable data transmission. To withstand use in hostile and staging environments the DMX-PRO features a rugged and abrasion resistant TPE outer jacket.

SMC2210

Ten Conductor 22AWG Multi-Conductor Cable

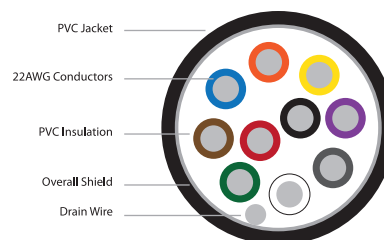


- Ten Conductors
- 22AWG Stranded Tinned Copper
- Overall Shield with Drain
- Flexible PVC Outer Jacket
- UL Rated

Part Number: **SMC2210**
 Description: Ten Conductor 22AWG Shielded Control Cable

Materials & Dimensions

Conductors	(10) 22AWG (7x30) Stranded TC
Insulation	PVC .007" wall
Insulation Color Code	Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White, Black
Shield	100% Foil w/ 24AWG (7x32) Stranded TC Drain Wire
Jacket	PVC, .210" O.D.
Color	Black



Performance Characteristics

DC Resistance	Temperature Range	Bend Radius	Weight	UL Listing
Conductor: 14.4 Ω/Mft Shield w/ Drain: 20.0 Ω/Mft	-20°C to 75°C	2.1" min.	36 lbs/Mft	(UL) CL3R CMR/CMG C(UL)JUS

The SMC2210 is a shielded multi-conductor cable for general purpose control or data applications. The conductors are made from low-loss 22AWG stranded tinned copper to minimize DC resistance and improved solder adhesion. Each conductor is insulated with a color coded PVC. The ten conductor elements are shielded by an overall foil shield with drain wire and extruded under an overall PVC jacket. Ideal for cable assemblies and permanent installation, the SMC2210 is both flexible and UL rated.

Data Cable Appendix

Network Wiring Standards

TIA/EIA-568-A.1-2001 T568A Wiring Standard

RJ45 Pin Number	Cable Pair Number	Color
1	3	white w/ green stripe
2	3	green
3	2	white w/ orange stripe
4	1	blue
5	1	white w/ blue stripe
6	2	orange
7	4	white w/ brown stripe
8	4	brown

TIA/EIA-568-B.1-2001 T568B Wiring Standard

RJ45 Pin Number	Cable Pair Number	Color
1	2	white w/ orange stripe
2	2	orange
3	3	white w/ green stripe
4	1	blue
5	1	white w/ blue stripe
6	3	green
7	4	white w/ brown stripe
8	4	brown

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