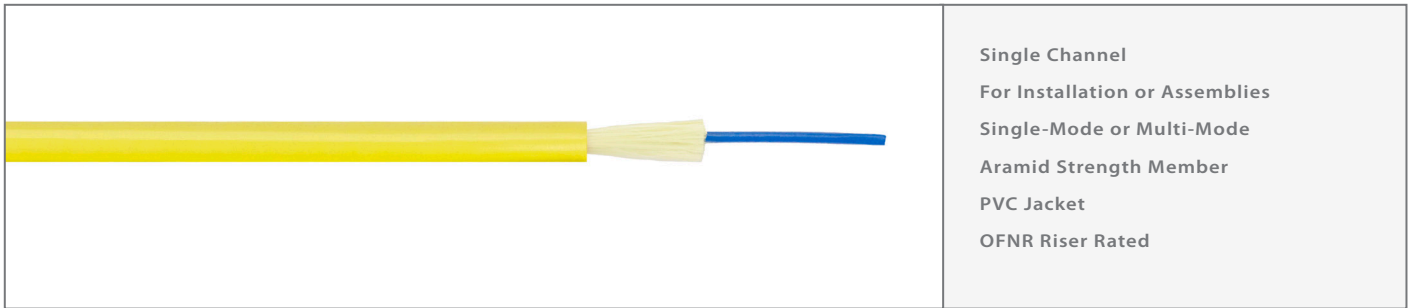


## CWF-01xxR Series

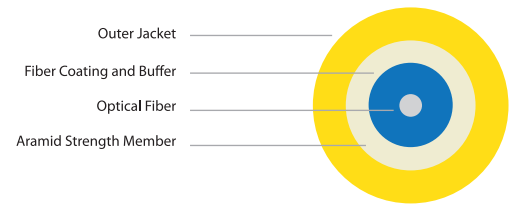
### Riser Rated Simplex Fiber Cables



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

#### Materials & Dimensions

Fiber Type and Part Number Code	<b>SM</b> = Single-Mode 9um <b>MM</b> = Multi-Mode 62.5um OM1 <b>MM5</b> = Multi-Mode 50u OM2 <b>MM53</b> = Multi-Mode 50u OM3
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 CWF-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.

## Fiber Element Types

### 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				