

## SMPTE 311M/304M Breakout Cables

Breakout Cables for Extended Distance Applications



- For SMPTE Based HD Cameras
- HFCTP 311M Hybrid Cable
- Extended Runs from Panels or CCUs
- Bulkhead or Inline SMPTE Connector
- Stainless Lemo 304M Connector
- Premium ST/SC/LC/FC Connectors
- Standard Mate-N-Lok Electrical
- Includes Dust Caps with Lanyards

Part Number: **X-HFCTP-(length)-(SMPTE gender and type)-(fiber breakout connector)**

Description: SMPTE 304M Pigtail Breakout Cables

Options: **Length:** 10', 16', 25', 33', 50', 66', 82', 100', 164' or Custom  
**SMPTE Gender and Type:** P = Plug, PB = Plug Bulkhead, S = Socket, SB = Socket Bulkhead  
**Fiber Breakout Connector:** ST, SC, LC, FC

### Components

Cable Type	Clark HFCTP 2 - SM 900u Hytrel Tight Buffered Fibers 2 - 24AWG Signal Conductors 4 - 20AWG Aux Conductors 1 - 16AWG Galvanized Steel Strength Member 95% - Overall Braid Shield	Overall Jacket: Black TPE
Connector Type	Lemo SMPTE-304M Stainless Steel Inline or Bulkhead (Socket or Plug) with Dust Cap and Lanyard Premium ST/SC/LC/FC Connectors with Dust Caps and Lanyards AMP 6-Pos Mate-N-Lok Electrical Contact	Connector Finish: Stainless Steel (Lemo)

### Performance Characteristics

DC Resistance	Optical Attenuation and Return Loss	Minimum Bend Radius	Operating Temperature
24AWG Signal Conductors: 23.5 Ω/Mft 20AWG Aux Conductor: 9.6 Ω/Mft (2 per contact = 4.8 Ω/Mft) Shield: 5.2 Ω/Mft	>0.4db + 0.70dB/km >-45dB SRL (-55dB Typical)	2.54"	-40°C to 75°C

See HFCTP cable specifications for additional information and performance characteristics.