

PB 146

SMPTE 311M Hybrid Cable & Assemblies

Offering both finished assemblies and bulk cable, Belden offers a broad range of SMPTE 311M products for temporary or permanent installations.



Key Features

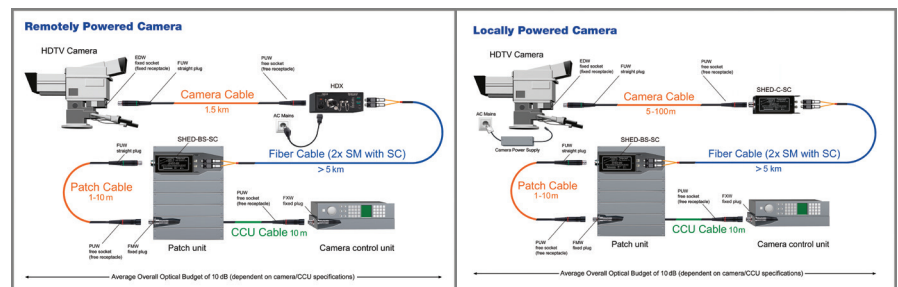
- SMPTE 311M and 304M compliant
- Amphenol, King's & LEMO connectors available
- Ten year product warranty on bulk cable
- One year product warranty on assemblies
- Rubber dust caps and full-length strain relief
- 19.4 Mbps to 3 Gbps transport
- Low insertion and return loss
- Standard, breakout & pigtail assemblies available
- All assemblies accompanied by test report verifying performance
- Precision terminated by certified technicians

Belden SMPTE 311M cable assemblies feature machine-polished fiber contacts and soldered copper connections for superior performance. To ensure consistency and reliability in the most demanding applications, all copper connections are tested for continuity and all fiber contacts are optically tested and return losses verified. Belden SMPTE 311M assemblies are pre-terminated with SMPTE connectors from industry-leading manufacturers such as Amphenol, King's and LEMO. All connectors are installed with full-length rubber strain relief which helps prevent damage during the rigors of Outside Broadcasting (OB). These processes and features enable the low attenuation and return loss required for high-speed uncompressed HD video transmission and ensure Belden SMPTE assemblies will consistently and reliably perform in the field.

For industry leading durability, resilience and long life in harsh environments, insist on Belden SMPTE 311M cables and OEM-approved terminations. All Belden broadcast assemblies are guaranteed to be free of material or workmanship defects and backed with a one year product warranty. In addition to custom assemblies, Belden also offers assembly repair services and will repair any fiber assemblies regardless of the manufacturer.

To configure a custom SMPTE assembly, visit <http://info.belden.com/assembly-configurators>.

Typical Install Configurations



Be certain.

Belden SMPTE 311M Hybrid Cables

Description	Part Number	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Nominal OD	
			ft.	m	lbs.	kg	inch	mm
Light Duty Studio Cable								
2 SM Fiber • 4 Power Conductors, 24 and 20 AWG • Stranded (7x32 and 19x32) TC • Stainless Steel Strength Member • Overall 85% Tinned Copper Braid								
Polyolefin Insulation • PVC Buffer Tube • Black Belflex® Jacket								
Light Duty Studio Cable	7804LW		1000	305	73	33	0.357	9.07
12 mm Double Jacket Studio Cable								
2 SM Fiber • 4 Power Conductors, 24 and 20 AWG • Stranded (7x32 and 19x32) TC • Stainless Steel Strength Member • Overall 85% Tinned Copper Braid								
Polyolefin Insulation • PVC Buffer Tube • Black Belflex® Jacket								
12mm Double Jacket Studio Cable	7817A		1000	305	119	54	0.472	11.99
Outdoor Harsh Environment Cable								
2 SM Fiber • 4 Power Conductors, 24 and 20 AWG • Stranded (7x32 and 19x32) TC • Stainless Steel Strength Member • Overall 85% Tinned Copper Braid								
Polyolefin Insulation • PVC Buffer Tube • Black Polyurethane Jacket								
Outdoor Harsh Environment Cable	7818A		1000	305	77	35	0.357	9.07
Industry Standard Cable								
2 SM Fiber • 4 Power Conductors 24 and 20 AWG • Stranded (7x32 and 19x32) TC • Stainless Steel Strength Member • Overall 95% Tinned Copper Braid								
PVC Insulation • PVC Buffer Tube • Black Belflex® Jacket								
Standard Cable	7804R	NEC: CMR	500	152	48	22	0.362	9.19
		CEC: CMG	1000	305	96	44		
			1640	500	153	69		
			3280	1000	315	143		
FEP Insulation • PVC Buffer Tube • Black Flamarrest® Jacket								
Standard Cable	7804P	NEC: CMP	500	152	33	15	0.259	6.58
		CEC: CMP	1000	305	63	29		
			1640	500	102	46		
			3280	1000	203	92		
PVC Insulation • PVC Buffer Tube • Black Polyethylene Jacket								
Waterblocked Standard Cable	7804WB		1000	305	85	39	0.362	9.20
Heavy Gauge Standard Cable								
2 SM Fiber • 2 Power Conductors, 24 and 16 AWG • Stranded (7x32 and 65x34) TC • Aramid Yarn Strength Material • Overall 95% Tinned Copper Braid								
PVC Insulation • PVC Buffer Tube • Black Belflex® Jacket								
Original Standard Cable	7804C	NEC: CMR	1000	305	99	45	0.362	9.20
		CEC: CMG	1640	500	157	71		
			3280	1000	325	147		
3-Channel Stadium Cable								
6 SM Fiber • 6 Power Conductors, 24 and 18 AWG • Stranded (7x32 and 19x32) TC • Aramid Yarn Strength Material • Overall 84% Tinned Copper Braid								
PVC Insulation • PVC Buffer Tube • Green PVC Jacket								
3-Channel Stadium Cable	7824R	NEC: CMR	1000	305	161	73.0	0.525	13.34
		CEC: CMR						
FEP Insulation • PVC Buffer Tube • Green PVDF Jacket								
3-Channel Stadium Cable	7824P	NEC: CMP	1000	305	193	87.5	0.553	14.05
		CEC: CMP						
PVC Insulation • PVC Buffer Tube • Black Polyethylene Jacket								
Waterblocked 3-Channel Stadium Cable	7824WB		1000	305	140	63.5	0.540	13.71
Electrical Camera Breakout Cable								
4 Power Conductors, 22 and 16 AWG • Stranded (7x30 and 19x29) TC • Aramid Yarn Strength Material • Overall 95% Tinned Copper Braid								
PVC Insulation • Black PVC Jacket								
Electrical Camera Breakout Cable	7825R*	NEC: CMR	1000	305	50	22.7	0.250	6.35
		CEC: CMG						
Flamarrest® Insulation • Black Flamarrest® Jacket								
Electrical Camera Breakout Cable	7825P*	NEC: CMP	1000	305	47	21.3	0.212	6.35
		CEC: CMP						

*Available in bulk cable only.