




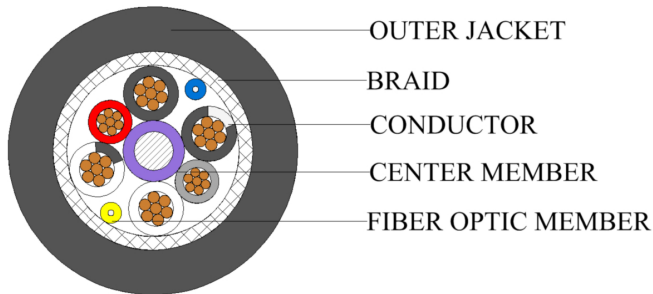
Product: [7804R](#) 

SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, Belflex® Jacket, CMR

Product Description

Industry Standard SMPTE 311M Cable, 2 Single Mode Fibers, 2 TC Conductors 24 AWG (7x32) and 4 TC Conductors 20 AWG (19x32), PVC Insulation, TC Braid Shield (95% coverage), Belflex® Jacket, Riser

Technical Drawing



Technical Specifications

Multiconductor

Multiconductor Conductor and Insulation

Element	No. of Conductors	AWG	Stranding	Material	Nominal Conductor DCR	Insulation Material	Insulation Nominal Diameter
24 AWG	2	24	7x32	TC - Tinned Copper	23.3 Ohm/1000ft	PVC - Polyvinyl Chloride	0.050 in
20 AWG	4	20	19x32	TC - Tinned Copper	8.8 Ohm/1000ft	PVC - Polyvinyl Chloride	0.063 in

Multiconductor Color Chart

Description	Color
24 AWG	Red
24 AWG	Gray
20 AWG	White
20 AWG	Black
20 AWG	White/Black
20 AWG	Black/White

Multiconductor Cabling

<div>Filler</div> <div>FR Filler</div>	Shielding: <div>Braid</div>
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Multiconductor UL Voltage

UL Description	UL Voltage Rating
24 AWG	300 V RMS
20 AWG	300 V RMS

Fiber

Fiber Buffer Diameter:	900 µm
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Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Color Coding:	Yel, Blu
Fiber Count:	2
Fiber Type:	OS2, G.657.A2
Mode Field Diameter:	9.2 µm
Wavelength@Optical SM1:	1310 nm, 1550 nm
Max Attenuation at 1310 nm:	0.5 dB/km
Max Attenuation at 1550 nm:	0.5 dB/km

Overall Cable

Overall Shielding

Layer 1	Type	Material	Coverage
Overall	Braid	TC - Tinned Copper	0.95 %

Jacket:	PVC
Separator Material@OuterJacket1 1:	PVC - Polyvinyl Chloride
Operating Temp Range:	-40°C to +70°C
Installation Temp Range:	-10°C to +70°C
Storage Temp Range:	-40°C to +70°C
Max Recommended Pulling Tension:	1350 N
Bulk Cable Weight:	80 lbs/1000ft

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
Other Specification:	SMPTE 311

Suitability

Suitability - Indoor:	Yes
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Flame Test

UL Flammability:	UL1666 Vertical Shaft
C(UL) Flammability:	FT4

Plenum/Non-Plenum

Plenum (Y/N):	N
Plenum Number:	7804P

Overall Armor Shield

Variants

Item #	Color	UPC	Length	Footnote
7804R B59CUT	Black, Matte	612825189503		
7804R B591000	Matte Black	612825378648	1,000 ft	C
7804R B591640	Matte Black	612825189480	1,640 ft	C
7804R B593280	Matte Black	612825189497	3,280 ft	C
7804R B59500	Matte Black	612825378655	500 ft	C

Update and Revision:	Revision Number: 0.167 Revision Date: 01-31-2020
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