


Product: [7804C](#) 

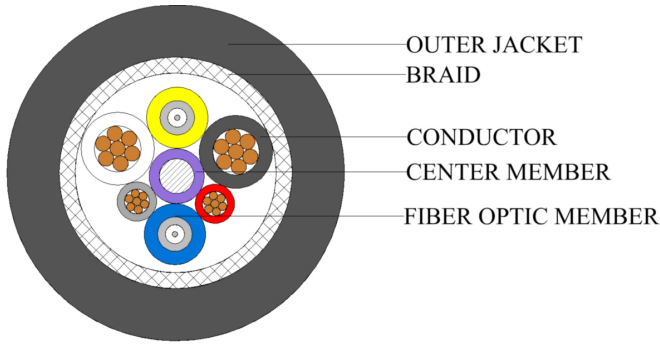


SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 2 Conductor 16 AWG, Belflex® Jacket, CMR

Product Description

Heavy Gauge SMPTE 311M HDTV, 2 Single Mode fibers, 2 TC Conductors 24 AWG stranded (7x32) and 2 TC Conductors 16 AWG stranded (65x34), PVC insulation TC braid shield (95% coverage), CMR rating, Belflex® jacket.

Technical Drawing



Technical Specifications

Product Overview

Suitable Applications:	SMPTE 311M HDTV Cable
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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
16 AWG	2	16	65x34	TC - Tinned Copper	4.3 Ohm/1000ft	PVC - Polyvinyl Chloride	0.093 in

Multiconductor Color Chart

Description	Color
24 AWG	Red
24 AWG	Gray
16 AWG	Black
16 AWG	White

Multiconductor UL Voltage

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

Fiber

Fiber Cable Construction

Fiber Type	Fiber Count
OS2, G.657.A2	2

Fiber Color Coding:	Yellow, Blue
Subunit Diameter:	0.078 in (2.0 mm)

Buffer Specification

Buffer Material	Buffer Diameter
PVC - Polyvinyl Chloride	900 µm

Number of Active Subunits:	2
Number of Subunit Positions:	2
Fibers Per Subunit:	1
Mode Field Diameter:	9.2 µm
Max. Attenuation at 1310 nm:	0.50 dB/km
Max. Attenuation at 1550 nm:	0.50 dB/km

Overall Cable

Outer Jacket

Material	Material Trade Name	Nominal Diameter	Separator Material
PVC - Polyvinyl Chloride	Belflex®	0.362 in	PVC - Polyvinyl Chloride

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. Pull Tension:	1350 N
Bulk Cable Weight:	81.3 lbs/1000ft

Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
EU Directive Compliance:	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire and Cable):	Yes
Other Specification:	SMPTE 311

Suitability

Suitability - Indoor:	Yes
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Flame Test

UL Flammability:	UL1666 Vertical Shaft
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Product Notes

Notes:	Plenum version and other conductor counts/diameters available by special order.
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Overall Armor Shield

Variants

Item #	Color	UPC	Length	Footnote
7804C B591000	Black, Matte	612825189381	1,000 ft	C
7804C B591640	Black, Matte	612825418276	1,640 ft	C
7804C B593280	Black, Matte	612825189404	3,280 ft	C

7804C B592500	Black, Matte	612825189398	2,500 ft	
7804C B59CUT	Black, Matte			

Update and Revision:	Revision Number: 0.169 Revision Date: 12-15-2021
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