



Product: [7804C](#)

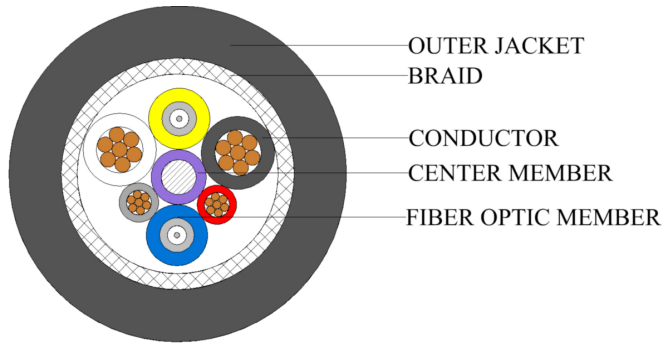


SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 2 Conductor 16 AWG, Belflex® Jacket, CMR

### 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 Temperature Range:	-40°C to 70°C
Installation Temperature Range:	-10°C to 70°C
Storage Temperature 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
EU CE Mark:	Yes
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire and Cable):	Yes

#### 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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#### History

Update and Revision:	Revision Number: 0.175 Revision Date: 12-19-2022
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#### 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			

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