


**Product:** [7804C](#) 

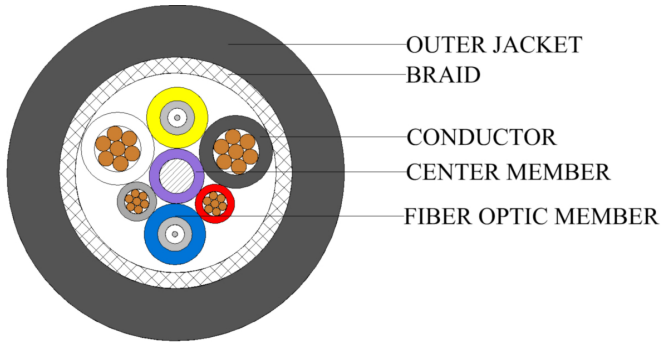


SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 2 Conductor 16 AWG, Belflex® Jacket, CMR

## 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

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:	Blu, Yel
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## 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:	0.5 dB/km
Max Attenuation at 1550 nm:	0.5 dB/km

## Overall Cable

### Outer Jacket Material

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 II):	Yes
EU Directive 2015/863/EU:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-07-01
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire and Cable):	Yes
Other Compliance:	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			

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