

Product: [7804P](#) 

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

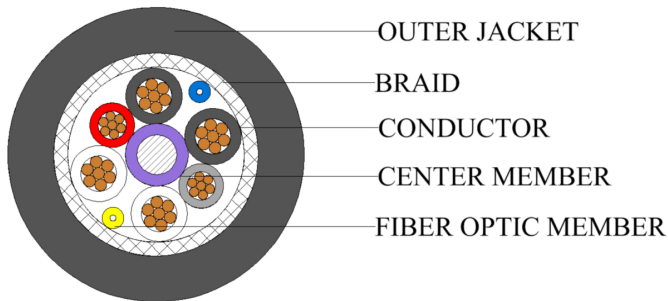


REPRESENTATIVE IMAGE

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), Flamarrest® Jacket, Plenum

Technical Drawing



Technical Specifications

Product Overview

Suitable Applications:	SMPTE 311
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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	FEP - Fluorinated Ethylene Propylene	0.038 in
20 AWG	4	20	19x32	TC - Tinned Copper	8.8 Ohm/1000ft	FEP - Fluorinated Ethylene Propylene	0.054 in

Multiconductor Color Chart

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

Shielding:	Braid
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Multiconductor UL Voltage

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

Fiber

Fiber Cable Construction

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

Fiber Color Coding:	Yellow, Blue
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Buffer Specification

Buffer Material	Buffer Diameter
PVC - Polyvinyl Chloride	900 µm

Mode Field Diameter:	9.2 µm
Wavelength@Optical SM1:	1310 nm, 1550 nm
Max. Attenuation at 1310 nm:	0.50 dB/km
Max. Attenuation at 1550 nm:	0.50 dB/km

Overall Cable

Outer Jacket

Material	Nominal Diameter	Separator Material
PVC - Polyvinyl Chloride	0.259 in	PVC - Polyvinyl Chloride

Overall Shielding

Layer 1	Type	Material	Coverage
Overall	Braid	TC - Tinned Copper	80 %

Jacket:	PVC
Separator Material@OuterJacket1 1:	PVC - Polyvinyl Chloride
Operating Temperature Range:	-20°C to 70°C
Installation Temperature Range:	0°C to 70°C
Storage Temperature Range:	-20°C to 70°C
Max. Pull Tension:	1350 N
Bulk Cable Weight:	62 lbs/1000ft

Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes

Suitability

Suitability - Indoor:	Yes
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Flame Test

UL Flammability:	UL910 Steiner Tunnel
CSA/C(UL) Flammability:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Y
Non-Plenum Number:	7804R, 7804WB

History

Update and Revision:	Revision Number: 0.248 Revision Date: 11-27-2023
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Variants

Item #	Color	UPC	Length
7804P 0101000	Black	612825189435	1,000 ft
7804P 0101640	Black	612825189442	1,640 ft
7804P 0103280	Black	612825189459	3,280 ft
7804P 010500	Black	612825436799	500 ft
7804P 010CUT	Black		
7804P 0105000	Black	612825189466	5,000 ft

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