



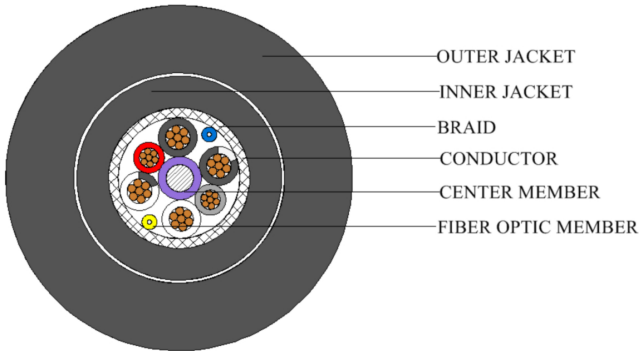
Product: [7818A](#)

Harsh Environment SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, Polyurethane Jacket

Product Description

Harsh Environment SMPTE 311M Cable, 2 Single Mode Fibers, 2 TC Conductors 24 AWG (7x32) and 4 TC Conductors 20 AWG (19x32), PE Insulation, TC Braid Shield (95% coverage), Polyurethane Jacket

Technical Drawing



Technical Specifications

Product Overview

Suitable Applications:	SMPTE 311M CAMERA 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	PE - Polyethylene	0.043 in
20 AWG	4	20	19x32	TC - Tinned Copper	8.8 Ohm/1000ft	PE - Polyethylene	0.057 in

Multiconductor Color Chart

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

Shielding:	Braid
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Multiconductor Non-UL Voltage

Non-UL Description	Non-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
PUR - Polyurethane	0.357 in

Overall Shielding

Layer 1	Type	Material	Coverage
Overall	Braid	TC - Tinned Copper	95 %

Jacket:	PUR
Operating Temperature Range:	-40C To +75C
Installation Temperature Range:	-10°C To +70°C
Storage Temperature Range:	-40°C To +75°C
Max. Pull Tension:	450 lbs
Bulk Cable Weight:	69 lbs/1000ft

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU CE Mark:	Yes
CPR Euroclass:	Fca

Plenum/Non-Plenum

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

History

Update and Revision:	Revision Number: 0.246 Revision Date: 11-27-2023
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Variants

Item #	Color	UPC	Length	Footnote
7818A 0101000	Black	612825352259	1,000 ft	C
7818A 0103280	Black	612825189916	3,280 ft	

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