

Product: 7804ELY

Indoor/Mobile Duty SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, FRNC jacket

Product Description

Indoor/Mobile SMPTE 311M Cable, 2 Single Mode Fibers, 2 TC Conductors 24 AWG (7x32) and 4 TC Conductors 20 AWG (19x32), FRNC Insulation, TC Braid Shield (80% coverage), FRNC Jacket

Technical Specifications

Product Overview

Suitable Applications:	SMPTE 311M CAMERA CABLE

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	92 Ohm/km	LSZH/FRNC	1.22 mm
20 AWG	4	20	19x32	TC - Tinned Copper	36 Ohm/km	LSZH / FRNC	1.57 mm

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(s)

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	2

Fiber Color Coding:	Yellow, Blue

Buffer Specification

Buffer Material	Buffer Diameter
Thermoplastic	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
LSZH - Low Smoke Zero Halogen (Flame Retardant)	9.2 mm

Overall Shielding

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

Jacket:	LSZH / FRNC
Operating Temperature Range:	-40°C To +75°C
Installation Temperature Range:	-10°C To +70°C
Storage Temperature Range:	-40°C To +75°C
Max. Pull Tension:	1350 N

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (RoHS 2):	Compliant
EU Directive 2015/863/EU (RoHS 2 amendment):	Compliant
EU Directive 2000/53/EC (ELV):	Compliant
EU Directive 2012/19/EU (WEEE):	Compliant
EU Directive 2003/11/EC (BFR):	Compliant
EU CE Mark:	Yes
CPR Euroclass:	Dca-s1,d1,a1
IEC 60754-1 - Halogen Amount:	Zero

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes - Black only

Flame Test

IEC Flammability:	IEC 60332-1-2

Plenum/Non-Plenum

Plenum (Y/N):	N

History

Update and Revision:	Revision Number: 0.73 Revision Date: 12-03-2024

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