



Product: [7817A](#)

SMPTE 311M Double Jacket, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG

Product Description

12mm Double Jacketed SMPTE 311M Studio Cable, 4 power conductors, SM fibers w/24 and 20 AWG stranded (7x32 and 19x32) TC conductors, PE insulation, TC braid shield (85% coverage), Belflex® jacket.

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	0.048 in
20 AWG	4	20	19x32	TC - Tinned Copper	8.8 Ohm/1000ft	PE - Polyethylene	0.062 in

Multiconductor Color Chart

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

Shielding:	Braid
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Multiconductor Inner Jacket

Element	Material	Nominal Diameter
Overall	PVC - Polyvinyl Chloride	0.357 in

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
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Overall Cable

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.472 in	0.058 in	PVC - Polyvinyl Chloride

Overall Shielding

Layer 1	Type	Material	Coverage
Overall	Braid	TC - Tinned Copper	85 %

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:	108 lbs/1000ft

Applicable Standards & Environmental Programs

Other Standards:	SMPTE 311, UL AWM Style 20907 (300V 60C)
EU Directive Compliance:	Yes
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
CA Prop 65 (CJ for Wire and Cable):	Yes
China RoHS II (GB/T 26572-2011):	Yes
Other Specification:	SMPTE 311

Suitability

Suitability - Outdoor:	Yes
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Flame Test

UL Flammability:	VW-1
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Product Notes

Notes:	Bend Radius is based upon (FOTP-37) @ 20°C. Plenum version and other conductor counts/diameters available by special order.
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Overall Armor Shield

Variants

Item #	Color	UPC	Length
7817A 0101000	Black	612825189909	1,000 ft

Update and Revision:	Revision Number: 0.147 Revision Date: 04-08-2022
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