

Product: 7804EPU

Indoor/Mobile Duty SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, PUR 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), PUR 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		1.22 mm
20 AWG	4	20	19x32	TC - Tinned Copper	36 Ohm/km	PUR - Polyurethane	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

Nominal Diameter
9.2 mm

Overall Shielding

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

Jacket:	PUR Halogen Free
Operating Temperature Range:	-40°C To +75°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
IEC 60754-1 - Halogen Amount:	Zero

Suitability

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

Plenum/Non-Plenum

Plenum (Y/N):	N

Product Notes

Notes:	Jacket adheres tightly to braid

History

Update and Revision:	Revision Number: 0.81 Revision Date: 12-19-2024

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.