



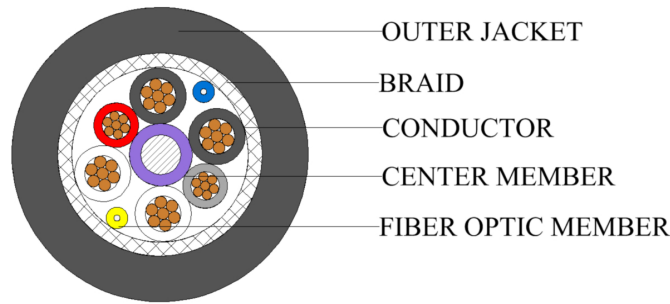
Product: [7804P](#)

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

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

Suitable Applications:	SMPTE 311
------------------------	-----------

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
------------	-------

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:	Yel, Blu
---------------------	----------

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:	0.5 dB/km
Max Attenuation at 1550 nm:	0.5 dB/km

Overall Cable

Outer Jacket Material

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 Temp Range:	-20°C to 70°C
Installation Temp Range:	0°C to 70°C
Storage Temp 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 II):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
Other Compliance:	SMPTE 311

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Flame Test

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

Plenum/Non-Plenum

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

Overall Armor Shield

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
7804P 0043280	Yellow	612825189428	3,280 ft

© 2020 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.