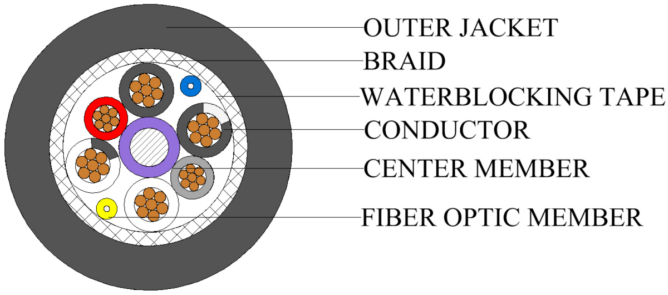
Product: 7804LW

Light Duty SMPTE 311M Cable, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, Belflex®Jacket

Product Description

Light Duty 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), Belflex® Jacket

Technical Drawing



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	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

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

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	Separator Material
PVC - Polyvinyl Chloride	0.357 in	PVC - Polyvinyl Chloride

Overall Shielding

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

Jacket:	PVC
Separator Material@OuterJacket1 1:	PVC - Polyvinyl Chloride
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
Bulk Cable Weight:	80 lbs/1000ft

Applicable Standards & Environmental Programs

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
EU Directive 2003/11/EC (BFR):	Yes
Other Specification:	SMPTE 311

Suitability

Suitability - Indoor:	Yes

Flame Test

UL Flammability:	VW-1

Plenum/Non-Plenum

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

History

Update and Revision:	Revision Number: 0.172 Revision Date: 11-09-2022

Variants

Item #	Color	UPC	Length
7804LW 0103280	Black	612825189411	3,280 ft
7804LW 0101000	Black	612825353003	1,000 ft
7804LW 010500	Black	612825381051	500 ft
7804LW 010CUT	Black		

© 2023 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.