



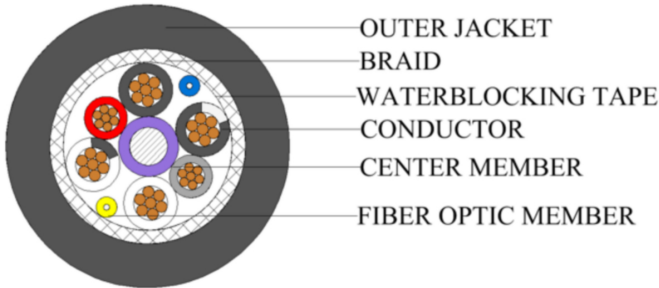
**Product:** [7804WB](#)

Industry Standard SMPTE 311M, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, PE Jacket

### Product Description

Industry Standard SMPTE 311M Cable, 2 Single Mode Fibers, 4 TC Conductor 20 AWG (19x32), 2 TC Conductor 24 AWG (7x32), PE Insulation, TC Braid Shield (95% coverage), Water Blocking Tape, Polyethylene Jacket

### 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	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	White
20 AWG	Black
20 AWG	White/Black
20 AWG	Black/White

#### Multiconductor Cabling

Filler
FR Filler

Shielding:	Braid
------------	-------

#### Multiconductor Non-UL Voltage

Non-UL Description	Non-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

Nominal Diameter
0.357 in

### Overall Shielding

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

Jacket:	Polyolefin (PO, PE, PP)
Operating Temp Range:	-40°C to 70°C
Installation Temp Range:	-10°C to 70°C
Storage Temp Range:	-40°C to 70°C
Max. Pull Tension:	1350 N
Bulk Cable Weight:	80 lbs/1000ft

## Applicable Standards & Environmental Programs

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 - Outdoor:	Yes
------------------------	-----

## Plenum/Non-Plenum

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

## Overall Armor Shield

### Variants

Item #	Color	UPC	Length
7804WB 010100	Black		100 ft
7804WB 0101000	Black	612825418290	1,000 ft
7804WB 0102500	Black	612825418306	2,500 ft
7804WB 0101500	Black	612825381082	1,500 m
7804WB 0103000	Black	612825418313	3,000 ft
7804WB 0103280	Black	612825418320	3,280 ft
7804WB 010700	Black	612825418337	700 ft
7804WB 010750	Black	612825189510	750 ft
7804WB 010CUT	Black		

© 2021 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.