



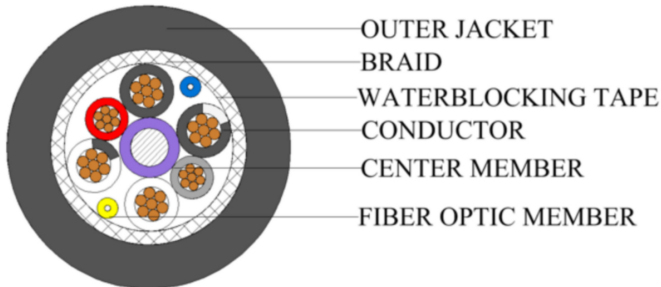
Product: [7804WB](#)

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

Product Overview

| | |
|------------------------|-----------|
| 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: | 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

| Nominal Diameter |
|------------------|
| 0.357 in |

Overall Shielding

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

| | |
|---------------------------------|-------------------------|
| Jacket: | Polyolefin (PO, PE, PP) |
| 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: | 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 |

Suitability

| | |
|------------------------|-----|
| Suitability - Outdoor: | Yes |
|------------------------|-----|

Plenum/Non-Plenum

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.184 Revision Date: 11-27-2023 |
|----------------------|--|

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 | | |

© 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.