



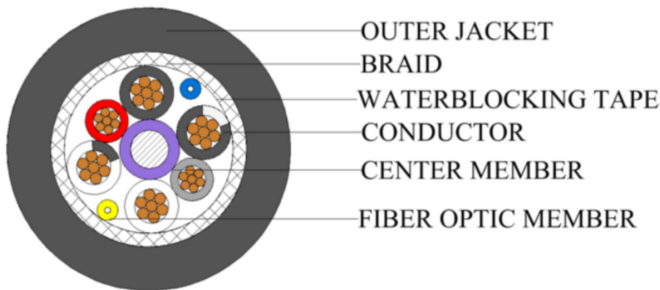
Product: [7804WB](#)

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 |
| Other Specification: | 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 | | |

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