


# Product: 7804ESP

Indoor/outdoor/Mobile Duty SMPTE 311M Cable, 2 single fiber sub units, 2 Conductor 24 AWG, 4 Conductor 20 AWG, PUR jacket

## Product Description

Indoor/outdoor/Mobile SMPTE 311M Cable, 2 Sub units Single Mode Fibers, 2 TC Conductors 24 AWG (7x32) and 4 TC Conductors 20 AWG (19x32), FRNC Insulation, TC Braid Shield (80% coverage),PUR Jacket

## 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 | 92 Ohm/km | | 1.22 mm |
| 20 AWG | 4 | 20 | 19x32 | TC - Tinned Copper | 36 Ohm/km | Polyolefin (PO ,PE ,PP) | 1.57 mm |

**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(s) |

**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 | 2 |

| | |
|---|---|
| Fiber Color Coding: | Yellow, Blue |
| Subunit Diameter: | 1.60 mm |

**Buffer Specification**

| Buffer Material | Buffer Diameter |
|---|---|
| Thermoplastic | 900 µm |

| | |
|---|---|
| Number of Active Subunits: | 2 |
| Fibers Per Subunit: | 1 |
| 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 |
|---|
| 9.2 mm |

**Overall Shielding**

| Layer 1 | Type | Material | Coverage |
|---|---|---|---|
| Overall | Braid | TC - Tinned Copper | 80 % |

| | |
|---|---|
| Jacket: | PUR |
| Operating Temperature Range: | -40°C To +75°C |
| Storage Temperature Range: | -40°C To +75°C |
| Max. Pull Tension: | 1350 N |

## 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 |
| IEC 60754-1 - Halogen Amount: | Zero |

## Suitability

| | |
|---|---|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Sunlight Resistance: | Yes - Black only |

## Plenum/Non-Plenum

| | |
|---|---|
| Plenum (Y/N): | N |

## Product Notes

| | |
|---|---|
| Notes: | Jacket adheres tightly to braid |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.73 Revision Date: 12-03-2024 |

© 2025 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.