



Product: [7804ESH](#)

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

Product Description

Indoor/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),LSZH 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 | LSZH/FRNC | 1.22 mm |
| 20 AWG | 4 | 20 | 19x32 | TC - Tinned Copper | 36 Ohm/km | LSZH / FRNC | 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: | LSZH / FRNC |
| 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 |
| EU CE Mark: | Yes |
| CPR Euroclass: | Eca |
| IEC 60754-1 - Halogen Amount: | Zero |

Suitability

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

Flame Test

| | |
|-------------------|---------------|
| IEC Flammability: | IEC 60332-1-2 |
|-------------------|---------------|

Plenum/Non-Plenum

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

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.74 Revision Date: 12-03-2024 |
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