



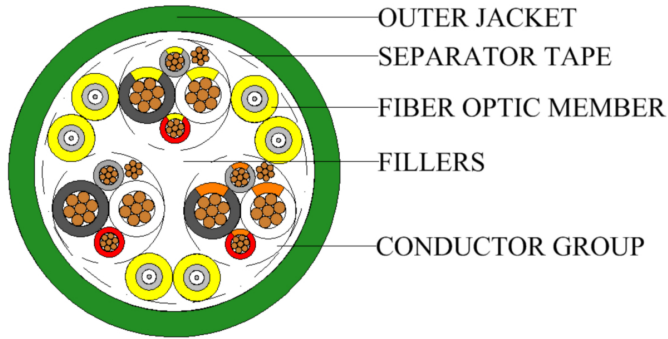
Product: [7824R](#)

3-Channel SMPTE Stadium Cable, 6 Fiber, 6 Conductor 18 AWG, 6 Conductor 24 AWG, CMR

Product Description

3-Channel SMPTE Stadium Cable, 6 Single Mode Fiber, 6 TC Conductor (19x30) 18 AWG and 6 TC Conductor (7x32) 24 AWG, PVC Insulation, Beldfoil Shield, PVC Jacket, Riser

Technical Drawing



Technical Specifications

Product Overview

| | |
|------------------------|----------------------------------|
| Suitable Applications: | 3 Channel Composite Camera Cable |
|------------------------|----------------------------------|

Multiconductor

Multiconductor Conductor and Insulation

| Element | No. of Conductors | AWG | Stranding | Material | Nominal Conductor DCR | Insulation Material | Insulation Nominal Diameter |
|------------------------|-------------------|-----|-----------|--------------------|-----------------------|--------------------------|-----------------------------|
| Quad 1, Quad 2, Quad 3 | 6 | 24 | 7x32 | TC - Tinned Copper | 23.3 Ohm/1000ft | PVC - Polyvinyl Chloride | 0.038 in |
| Quad 1, Quad 2, Quad 3 | 6 | 18 | 19x30 | TC - Tinned Copper | 6.67 Ohm/1000ft | PVC - Polyvinyl Chloride | 0.080 in |

Multiconductor Color Chart

| Description | Color |
|-----------------|--------------|
| Quad 1 - 24 AWG | Red |
| Quad 1 - 24 AWG | Gray |
| Quad 1 - 18 AWG | White |
| Quad 1 - 18 AWG | Black |
| Quad 2 - 24 AWG | Red/Yellow |
| Quad 2 - 24 AWG | Gray/Yellow |
| Quad 2 - 18 AWG | White/Yellow |
| Quad 2 - 18 AWG | Black/Yellow |
| Quad 3 - 24 AWG | Red/Orange |
| Quad 3 - 24 AWG | Gray/Orange |
| Quad 3 - 18 AWG | White/Orange |
| Quad 3 - 18 AWG | Black/Orange |

| | |
|------------|-----------------------|
| Shielding: | Multiple or Specialty |
|------------|-----------------------|

Multiconductor Inner Shield

| Layer | Inner Shield Type | Inner Shield Material | Inner Shield Coverage | Drainwire AWG | Drainwire Stranding | Drainwire Material | Drainwire Diameter | Drainwire Position |
|-----------|-------------------|-----------------------|-----------------------|---------------|---------------------|--------------------|--------------------|-------------------------------|
| Each Quad | Tape | Al/poly (Foil in) | 100.0 % | 22 | 7x30 | TC - Tinned Copper | 0.030 in | Under Each Quad's Shield Tape |

Multiconductor UL Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| 24 AWG | 300 V RMS |
| 18 AWG | 300 V RMS |

Fiber

Fiber Cable Construction

| Fiber Type | Fiber Count |
|---------------|-------------|
| OS2, G.657.A2 | 6 |

| | |
|---------------------|-------------------|
| Fiber Color Coding: | Yellow Printed |
| Subunit Diameter: | 0.078 in (2.0 mm) |

Buffer Specification

| Buffer Material | Buffer Diameter |
|--------------------------|-----------------|
| PVC - Polyvinyl Chloride | 900 µm |

| | |
|------------------------------|------------------|
| Number of Active Subunits: | 6 |
| Number of Subunit Positions: | 6 |
| 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

| Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

| | |
|------------------------------|----------------|
| Jacket: | PVC |
| Operating Temperature Range: | -20°C to 60°C |
| Max. Pull Tension: | 167 lbs |
| Bulk Cable Weight: | 161 lbs/1000ft |

Applicable Standards & Environmental Programs

| | |
|-------------------------------------|-----------|
| NEC/(UL) Compliance: | CMR |
| CEC/C(UL) Compliance: | CMG |
| Other Standards: | SMPTE 311 |
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| CA Prop 65 (CJ for Wire and Cable): | Yes |
| China RoHS II (GB/T 26572-2011): | Yes |
| Other Specification: | SMPTE 311 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flame Test

| | |
|-------------------------|-----------------------|
| CSA/C(UL) Flammability: | UL1666 Vertical Shaft |
|-------------------------|-----------------------|

Plenum/Non-Plenum

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.175 Revision Date: 03-08-2023 |
|----------------------|--|

Variants

| Item # | Color | UPC | Length |
|---------------|-------------|--------------|----------|
| 7824R 0051000 | Green, Dark | 612825418252 | 1,000 ft |
| 7824R 0052000 | Green, Dark | 612825443032 | 2,000 ft |
| 7824R 0054000 | Green, Dark | 612825435013 | 4,000 ft |
| 7824R 0051500 | Green, Dark | 612825418269 | 1,500 m |
| 7824R 0051600 | Green, Dark | 612825352273 | 1,600 m |
| 7824R 0055000 | Green, Dark | 612825436829 | 5,000 ft |
| 7824R 005CUT | Green, Dark | | |
| 7824R 0053000 | Green, Dark | 612825378297 | 3,000 ft |

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