

7824P Composite - 3 Channel Composite Camera Cable



For more Information
please call

1-800-Belden1



General Description:

3-Channel SMPTE 311M Stadium Cable, 6 Single Mode Fiber, 6 Conductor 18AWG and 6 Conductor 24AWG, Plenum

Usage (Overall)

Suitable Applications: 3 Channel Composite Camera Cable

Twisted Pair

Physical Characteristics
Individual Shield

Multi Conductor

Physical Characteristics
Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 6 | 24 | 7x32 | TC - Tinned Copper |
| 6 | 18 | 19x30 | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Material | AWG |
|---------------------|-----|
| FEP | 18 |
| FEP | 24 |

Insulation Color Code Chart:

| Number | Color | Description |
|--------|-------|-------------|
| 1 | Red | 24 AWG |
| 2 | Gray | 24 AWG |
| 3 | White | 18 AWG |
| 4 | Black | 18 AWG |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | % Coverage (%) |
|-------------------------|------|-----------------------|----------------|
| BELDFOIL | TAPE | AL/POLYESTER | 100.000 |

Individual Shield

Inner Jacket

Inner Jacket Material:

| Inner Jacket Material | Nom. Dia. (in.) |
|-----------------------|-----------------|
| PVDF | 0.220 |

Inner Jacket Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Blue |
| 2 | Orange |
| 3 | Green |

Electrical Characteristics

Maximum Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/100 m) |
|-------------|------------------------|
| 24 AWG | 8.760 |
| 18 AWG | 2.190 |

Fiber

Physical Characteristics

Fiber Type: Single Mode/125/900 Micron

Number of Fibers: 6

Mode Field Diameter @ 1310nm: 9.5 +/-1 microns

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| | |
|--------------------------------|--------------------------|
| Clad Diameter: | 125 microns |
| Core-clad Concentricity Error: | < to 1 micron |
| Primary Coating Material: | Acrylate |
| Buffer Tube Diameter: | 900 microns |
| Buffer Tube Material: | PVC - Polyvinyl Chloride |

Strength Member

| | |
|---------------------------|-------------|
| Strength Member Material: | Aramid Yarn |
|---------------------------|-------------|

Inner Jacket

Inner Jacket Color Code Chart:

| Number | Color |
|--------|-----------|
| 1 | YELLOW #1 |
| 2 | YELLOW #2 |
| 3 | YELLOW #3 |
| 4 | YELLOW #4 |
| 5 | YELLOW #5 |
| 6 | YELLOW #6 |

Outer Jacket

Outer Jacket Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.078 |

Optical Characteristics

| | |
|-------------------------------|----------|
| Maximum Attenuation @ 1310nm: | .5 dB/km |
| Maximum Attenuation @ 1550nm: | .5 dB/km |

Physical Characteristics (Overall)

Conductor

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|-----------------------|
| PVDF |

Overall Cable

| | |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.553 in. |
|---------------------------|-----------|

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|------------------|
| Bulk Cable Weight: | 193 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 167 lbs. |
| Min. Bend Radius/Minor Axis: | 5.750 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|-----------|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Other Specification: | SMPTE 311 |

Flame Test

| | |
|----------------|----------------------|
| UL Flame Test: | UL910 Steiner Tunnel |
|----------------|----------------------|

Suitability

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

Plenum/Non-Plenum

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

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Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------------|-------|------------------------|
| 7824P 0051000 | 1,000 FT | 193.000 LB | GREEN, DARK | | COMPOSITE CAMERA CABLE |
| 7824P 0052000 | 2,000 FT | 422.000 LB | GREEN, DARK | | COMPOSITE CAMERA CABLE |
| 7824P 0052001 | 2,000 FT | 422.000 LB | GREEN, DARK | | COMPOSITE CAMERA CABLE |

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