



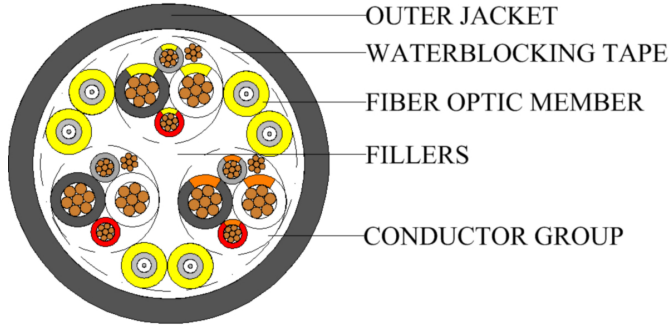
**Product:** [7824WB](#)

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

**Product Description**

3-Channel SMPTE Stadium Cable, 6 Single Mode Fibers, 6 TC Conductor 18 AWG (19x30) and 6 TC Conductor 24 AWG (7x32), Water Blocking Tape, Polyethylene Jacket.

**Technical Drawing**



**Technical Specifications**

|                        |                                  |
|------------------------|----------------------------------|
| 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 |

**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 %                 | 22            | 7x30                | TC - Tinned Copper | 0.030 in           | Under Each Quad's Shield Tape |

## Multiconductor Non-UL Voltage

| Non-UL Description | Non-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 |
|---------------------|----------------|

### 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                |
| Subunit Waterblocking:       | Aramid Yarn      |
| Mode Field Diameter:         | 9.2 µm           |
| Wavelength@Optical SM1:      | 1310 nm, 1550 nm |
| Max Attenuation at 1310 nm:  | 0.5 dB/km        |
| Max Attenuation at 1550 nm:  | 0.5 dB/km        |

## Overall Cable

|                          |                         |
|--------------------------|-------------------------|
| Jacket:                  | Polyolefin (PO, PE, PP) |
| Operating Temp Range:    | -40°C to 70°C           |
| Installation Temp Range: | -10°C to 70°C           |
| Storage Temp Range:      | -40°C to 70°C           |
| Max. Pull Tension:       | 2700 N                  |
| Bulk Cable Weight:       | 132 lbs/1000ft          |

## Applicable Standards & Environmental Programs

|                                     |     |
|-------------------------------------|-----|
| EU Directive 2011/65/EU (ROHS II):  | Yes |
| EU Directive 2015/863/EU:           | Yes |
| EU Directive 2000/53/EC (ELV):      | Yes |
| EU Directive 2012/19/EU (WEEE):     | Yes |
| EU Directive 2003/11/EC (BFR):      | Yes |
| CA Prop 65 (CJ for Wire and Cable): | Yes |
| China RoHS II (GB/T 26572-2011):    | Yes |

## Suitability

|                        |     |
|------------------------|-----|
| Suitability - Outdoor: | Yes |
|------------------------|-----|

## Plenum/Non-Plenum

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

## Product Notes

|        |   |
|--------|---|
| Notes: | Copper conductor quads are individually shielded with individual drain wire |
|--------|---|

## Overall Armor Shield

### Variants

| Item #         | Color | UPC          | Length   |
|----------------|-------|--------------|----------|
| 7824WB 0101000 | Black | 612825352211 | 1,000 ft |
| 7824WB 0102000 | Black | 612825434382 | 2,000 ft |
| 7824WB 0102500 | Black | 612825436843 | 500 ft   |
| 7824WB 0103280 | Black |              | 3,280 ft |
| 7824WB 010CUT  | Black |              |          |
| 7824WB 0104000 | Black | 612825190028 | 4,000 ft |

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