

7824WB 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

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
PVC	18
PVC	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

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
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

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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

Optical Characteristics

Maximum Attenuation @ 1310nm: .45 dB/km

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Separator Material: Waterblocking tape

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Overall Cable

Overall Nominal Diameter: 0.540 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 125 lbs/1000 ft.

Max. Recommended Pulling Tension: 167 lbs.

Min. Bend Radius/Minor Axis: 5.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

MIL Order #39 (China RoHS): Yes

Other Specification: SMPTE 311

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 7814P

Non-Plenum Number: 7814R

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7824WB 0101000	1,000 FT	140.000 LB	BLACK		COMPOSITE CAMERA CABLE PO
7824WB 0102000	2,000 FT	292.000 LB	BLACK		COMPOSITE CAMERA CABLE PO

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