

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

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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
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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
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Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Separator Material:	Waterblocking tape
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Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

Overall Cable

Overall Nominal Diameter:	13.716 mm
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Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	196.442 Kg/Km
Max. Recommended Pulling Tension:	742.849 N
Min. Bend Radius/Minor Axis:	139.700 mm

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
MII Order #39 (China RoHS):	Yes
Other Specification:	SMPTE 311

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	7824P
Non-Plenum Number:	7824R

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7824WB 0054000	4,000 FT	564.000 LB	GREEN, DARK		COMPOSITE CAMERA CABLE LDPO
7824WB 010CUT	1 FT	0.143 LB	BLACK		COMPOSITE CAMERA CABLE PO
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
7824WB 0102500	2,500 FT	352.500 LB	BLACK		COMPOSITE CAMERA CABLE PO
7824WB 0104000	4,000 FT	536.000 LB	BLACK		COMPOSITE CAMERA CABLE LDPO

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