

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. (mm)
PVDF	5.588

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)

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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

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. (mm)
1.981

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: 14.046 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight: 287.223 Kg/Km

Max. Recommended Pulling Tension: 742.849 N

Min. Bend Radius/Minor Axis: 146.050 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7824P 005CUT	1 FT	0.191 LB	GREEN, DARK		COMPOSITE CAMERA CABLE
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
7824P 0054000	4,000 FT	784.000 LB	GREEN, DARK		COMPOSITE CAMERA CABLE

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