

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
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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

Outer Jacket

Outer Jacket Diameter:

Nom. Dia. (in.)
0.078

Optical Characteristics

Maximum Attenuation @ 1310nm:	.45 dB/km
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Physical Characteristics (Overall)

Conductor

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF

Overall Cable

Overall Nominal Diameter:	0.553 in.
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Mechanical Characteristics (Overall)

Bulk Cable Weight:	41 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
MIL Order #39 (China RoHS):	Yes
Other Specification:	SMPTE 311

Flame Test

UL Flame Test:	UL910 Steiner Tunnel
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Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Put Ups and Colors:

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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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