



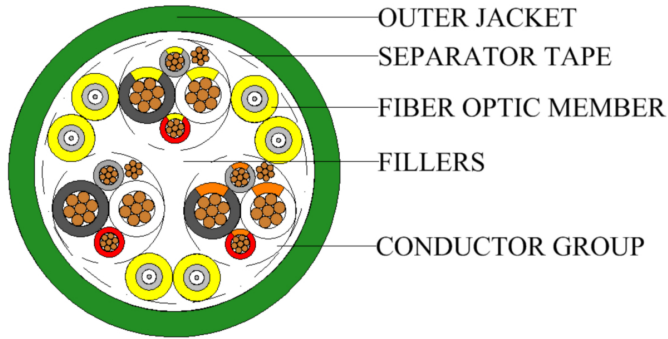
Product: [7824R](#)

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

Product Description

3-Channel SMPTE Stadium Cable, 6 Single Mode Fiber, 6 TC Conductor (19x30) 18 AWG and 6 TC Conductor (7x32) 24 AWG, PVC Insulation, Beldfoil Shield, PVC Jacket, Riser

Technical Drawing



Technical Specifications

Product Overview

Suitable Applications:	3 Channel Composite Camera Cable
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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

Shielding:	Multiple or Specialty
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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)	100.0 %	22	7x30	TC - Tinned Copper	0.030 in	Under Each Quad's Shield Tape

Multiconductor UL Voltage

UL Description	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
Subunit Diameter:	0.078 in (2.0 mm)

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
Mode Field Diameter:	9.2 µm
Wavelength@Optical SM1:	1310 nm, 1550 nm
Max. Attenuation at 1310 nm:	0.50 dB/km
Max. Attenuation at 1550 nm:	0.50 dB/km

Overall Cable

Outer Jacket

Material
PVC - Polyvinyl Chloride

Jacket:	PVC
Operating Temperature Range:	-20°C to 60°C
Max. Pull Tension:	167 lbs
Bulk Cable Weight:	161 lbs/1000ft

Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
Other Standards:	SMPTE 311
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
CA Prop 65 (CJ for Wire and Cable):	Yes
China RoHS II (GB/T 26572-2011):	Yes

Suitability

Suitability - Indoor:	Yes
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Flame Test

CSA/C(UL) Flammability:	UL 1666 Vertical Shaft
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Plenum/Non-Plenum

Plenum (Y/N):	N
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History

Update and Revision:	Revision Number: 0.176 Revision Date: 11-27-2023
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Variants

Item #	Color	UPC	Length
7824R 0051000	Green, Dark	612825418252	1,000 ft
7824R 0052000	Green, Dark	612825443032	2,000 ft
7824R 0054000	Green, Dark	612825435013	4,000 ft
7824R 0051500	Green, Dark	612825418269	1,500 m
7824R 0051600	Green, Dark	612825352273	1,600 m
7824R 0055000	Green, Dark	612825436829	5,000 ft
7824R 005CUT	Green, Dark		
7824R 0053000	Green, Dark	612825378297	3,000 ft

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