



REPRESENTATIVE IMAGE

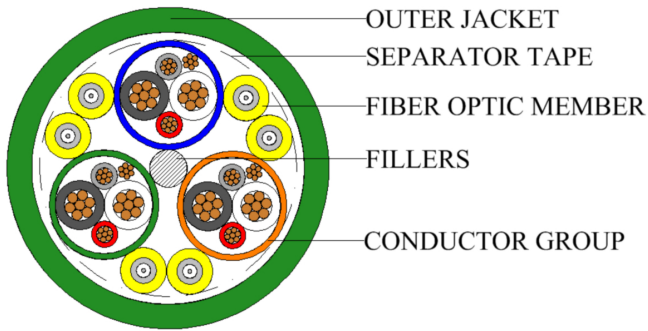
Product: [7824P](#)

3-Channel SMPTE Stadium Cable, 6 Single Mode Fiber, 6 Conductor 18 AWG and 6 Conductor 24 AWG, Plenum

Product Description

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

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
Blue Quad, Orange Quad, Green Quad	6	24	7x32	TC - Tinned Copper	23.3 Ohm/1000ft	FEP - Fluorinated Ethylene Propylene	0.038 in
Blue Quad, Orange Quad, Green Quad	6	18	19x30	TC - Tinned Copper	6.67 Ohm/1000ft	FEP - Fluorinated Ethylene Propylene	0.078 in

Multiconductor Color Chart

Description	Color
Blue Quad - 24 AWG	Red
Blue Quad - 24 AWG	Gray
Blue Quad - 18 AWG	White
Blue Quad - 18 AWG	Black
Orange Quad - 24 AWG	Red
Orange Quad - 24 AWG	Gray
Orange Quad - 18 AWG	White
Orange Quad - 18 AWG	Black
Green Quad - 24 AWG	Red
Green Quad - 24 AWG	Gray
Green Quad - 18 AWG	White
Green Quad - 18 AWG	Black

Multiconductor Inner Shield

Layer	Inner Shield Type	Inner Shield Material	Inner Shield Coverage	Drainwire AWG	Drainwire Stranding	Drainwire Material	Drainwire Diameter	Drainwire Position
Blue Quad	Tape	Al/poly (Foil in)	100 %	22	7x30	TC - Tinned Copper	0.030 in	Under Shield Tape

Multiconductor Inner Shield 02

Layer	Inner Shield Type	Inner Shield Material	Inner Shield Coverage	Drainwire AWG	Drainwire Stranding	Drainwire Material	Drainwire Diameter	Drainwire Position
Orange Quad	Tape	Al/poly (Foil in)	100.0 %	22	7x30	TC - Tinned Copper	0.030 in	Under Shield Tape

Multiconductor Inner Shield 03

Layer	Inner Shield Type	Inner Shield Material	Inner Shield Coverage	Drainwire AWG	Drainwire Stranding	Drainwire Material	Drainwire Diameter	Drainwire Position
Green Quad	Tape	Al/poly (Foil in)	100.0 %	22	7x30	TC - Tinned Copper	0.030 in	Under Shield Tape

Multiconductor Inner Jacket

Element	Material	Nominal Diameter
Blue Quad	PVDF - Polyvinylidene Fluoride	0.220 in
Orange Quad	PVDF - Polyvinylidene Fluoride	0.220 in
Green Quad	PVDF - Polyvinylidene Fluoride	0.220 in

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	Nominal Diameter
PVDF - Polyvinylidene Fluoride	0.553 in

Jacket:	PVDF
Operating Temp Range:	0°C to 70°C
Installation Temp Range:	0°C to 70°C
Storage Temp Range:	0°C to 70°C
Max. Pull Tension:	2700 N
Bulk Cable Weight:	193 lbs/1000ft

Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
Other Standards:	SMPTE 311
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes

EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire and Cable):	Yes
China RoHS II (GB/T 26572-2011):	Yes
Other Specification:	SMPTE 311

Suitability

Suitability - Indoor:	Yes
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Flame Test

UL Flammability:	NFPA 262
C(UL) Flammability:	NFPA 262

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Overall Armor Shield

Variants

Item #	Color	UPC	Length
7824P 005CUT	Green		
7824P 0054000	Green	612825190004	4,000 ft
7824P 0051000	Green, Dark	612825352266	1,000 ft
7824P 0052000	Green, Dark	612825443001	2,000 ft

Update and Revision:	Revision Number: 0.259 Revision Date: 04-08-2022
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