



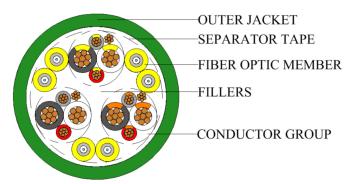
Product: <u>7824R</u> ☑

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**

Suitable Applications:	3 Channel Composite Camera Cable

## 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
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Shielding: Multiple or Specialty

#### **Multiconductor Inner Shield**

Each Quad	Таре	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

## **Buffer Specification**

Buffer Material Buffer Diameter  PVC - Polyvinyl Chloride 900 µm	
FVC - Polyvillyi Ciliolide 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:	0.5 dB/km
Max Attenuation at 1550 nm:	0.5 dB/km

## **Overall Cable**

### Outer Jacket Material

PVC - Polyvinyl Chloride		
Jacket:	PVC	
Operating Temp 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 Compliance:	SMPTE 311
EU Directive 2011/65/EU (ROHS II):	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
Other Compliance:	SMPTE 311

# Suitability

Suitability - Indoor:	Yes

## Flame Test

CSA Flammability:	FT4
C(UL) Flammability:	UL1666 Vertical Shaft

# Plenum/Non-Plenum

Plenum (Y/N):	N

# **Overall Armor Shield**

# Variants

Item #	Color	UPC	Length
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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

Update and Revision:

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