



Part Number: 7824R

SMPTE 311M Hybrid, 3-Channel Stadium Cable, 6 Fiber, 6 Conductor 18 AWG, 6 Conductor 24 AWG, Riser

Product Description

3-Channel SMPTE 311M 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 Specifications

Product Overview

Environmental Space:	Indoor - Riser
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	7x24	TC - Tinned Copper	0.024 in	6
18	19X30	TC - Tinned Copper	0.046 in	6

Conductor Count:	12
Conductor Size:	24 AWG

Insulation

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.038 in
PVC - Polyvinyl Chloride	0.080 in

Color Chart

Color
Red
Gray
Black
White

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	AL/POLYESTER	Beldfoil®	100 %	TC - Tinned Copper	0.030 in	22

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.525 in
	0.525 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor Loop DCR
8.76 Ohm/km	
	2.19 Ohm/km

Shielding:	Braid(s)
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Temperature Range

Operating Temp Range:	-20C to 60C
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Mechanical Characteristics

Bulk Cable Weight:	161 lbs/1000ft
Max Recommended Pulling Tension:	167 lbs
Min Bend Radius/Minor Axis:	5.5 in

Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
Other Specification:	SMPTE 311
Other Standards:	SMPTE 311

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	N
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Part Number

Variants

Item #	Color
7824R 0051000	Green, Dark
7824R 0052000	Green, Dark
7824R 0054000	Green, Dark
7824R 0051500	Green, Dark
7824R 0051600	Green, Dark

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