



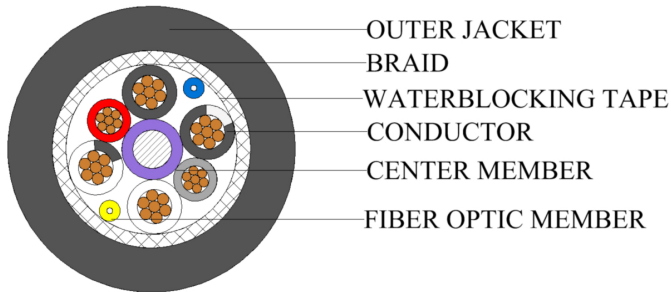
Part Number: 2804RW

Indoor/Outdoor Stadium Cable, SMPTE 311M, 2 Fiber, 2 Conductor 24 AWG, 4 Conductor 20 AWG, CPE Jacket

Product Description

Indoor/Outdoor, Industry Standard SMPTE 311M Cable, 2 Single Mode Fibers, 4 TC Conductor 20 AWG (19x32), 2 TC Conductor 24 AWG (7x32), PVC Insulation, TC Braid Shield (95% coverage), Water Blocking Tape, CPE Jacket

Technical Drawing



Technical Specifications

Suitable Applications:	SMPTE 311
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Multiconductor

Multiconductor Conductor and Insulation

Element	No. of Conductors	AWG	Stranding	Material	Nominal Conductor DCR	Insulation Material	Insulation Nominal Diameter
24 AWG	2	24	7x32	TC - Tinned Copper	23.3 Ohm/1000ft	PVC - Polyvinyl Chloride	0.050 in
20 AWG	4	20	19x32	TC - Tinned Copper	8.8 Ohm/1000ft	PVC - Polyvinyl Chloride	0.063 in

Multiconductor Color Chart

Description	Color
24 AWG	Red
24 AWG	Gray
20 AWG	White
20 AWG	Black
20 AWG	White/Black
20 AWG	Black/White

Multiconductor Cabling

Filler
FR Filler

Shielding:	Braid
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Multiconductor UL Voltage

UL Description	UL Voltage Rating
24 AWG	300 V RMS
20 AWG	300 V RMS

Fiber

Fiber Buffer Diameter:	900 µm
Fiber Buffer Material:	PVC - Polyvinyl Chloride
Fiber Color Coding:	Yel, Blu
Fiber Count:	2
Fiber Type:	OS2, G.657.A2
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

Overall Shielding

Layer 1	Type	Material	Coverage
Overall	Braid	TC - Tinned Copper	95 %

Jacket:	CPE
Separator Material@OuterJacket1 1:	CPE - Chlorinated Polyethylene
Operating Temp Range:	-40°C To +70°C
Installation Temp Range:	-10°C To +70°C
Storage Temp Range:	-40°C To +70°C
Max Recommended Pulling Tension:	450 lbs
Bulk Cable Weight:	97 lbs/1000ft

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
Other Specification:	SMPTE 311

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flame Test

UL Flammability:	UL1666 Vertical Shaft
UL Rating/Flame Test:	Riser

Plenum/Non-Plenum

Plenum (Y/N):	N
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Overall Armor Shield

Variants

Item #	Color	UPC	Length
2804RW 0101000	Black	612825397489	1,000 ft
2804RW 0103280	Black	612825397496	3,280 ft
2804RW 010CUT	Black		
2804RW 0106930	Black	612825443025	6,930 ft

Update and Revision:	Revision Number: 0.112 Revision Date: 10-30-2019
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