



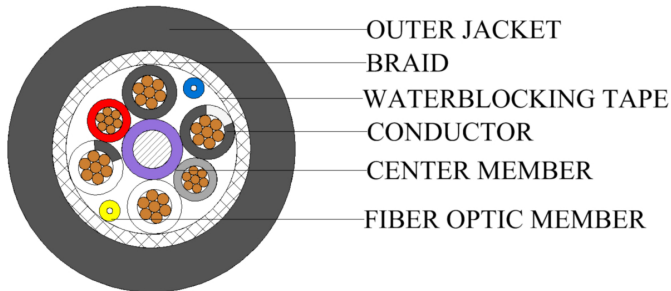
**Product:** [2804RW](#)

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

### Product Overview

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 Cable Construction

Fiber Type	Fiber Count
OS2, G.657.A2	2

Fiber Color Coding:	Yellow, Blue
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### Buffer Specification

Buffer Material	Buffer Diameter
PVC - Polyvinyl Chloride	900 µm

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

### Overall Shielding

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

Jacket:	CPE
Operating Temperature Range:	-40°C To +70°C
Installation Temperature Range:	-10°C To +70°C
Storage Temperature Range:	-40°C To +70°C
Max. Pull Tension:	450 lbs
Bulk Cable Weight:	97 lbs/1000ft

## Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	CMR
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
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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## History

Update and Revision:	Revision Number: 0.132 Revision Date: 11-09-2022
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## 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

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