

**Product:** [2824RW](#) 

Indoor/Outdoor Stadium Cable, 3-Channel SMPTE, 6 Fiber, 6 Conductor 18 AWG, 6 Conductor 24 AWG, CPE Jacket

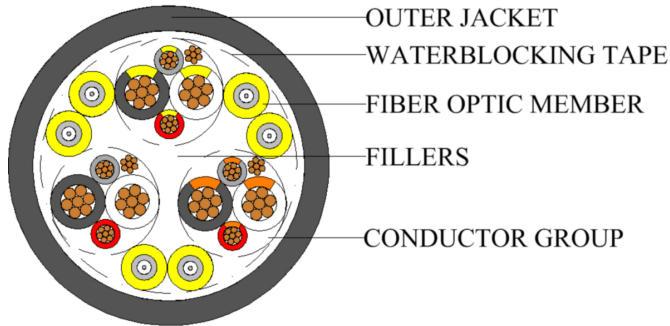


REPRESENTATIVE IMAGE

## Product Description

Indoor/Outdoor, 3-Channel SMPTE Stadium Cable, 6 Single Mode Fibers, 6 TC Conductor 18 AWG (19x30) and 6 TC Conductor 24 AWG (7x32), Beldfoil Shields, Water Blocking Tape, CPE Jacket

## Technical Drawing



## Technical Specifications

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
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 - 24AWG	Red
Quad 1 - 24AWG	Gray
Quad 1 - 18AWG	White
Quad 1 - 18AWG	Black
Quad 2 - 24AWG	Red/Yellow
Quad 2 - 24AWG	Gray/Yellow
Quad 2 - 18AWG	White/Yellow
Quad 2 - 18AWG	Black/Yellow
Quad 3 - 24AWG	Red/Orange
Quad 3 - 24AWG	Gray/Orange
Quad 3 - 18AWG	White/Orange
Quad 3 - 18AWG	Black/Orange

### Multiconductor Inner Shield

Layer	Inner Shield Type	Inner Shield Material	Inner Shield Coverage	Drainwire AWG	Drainwire Stranding	Drainwire Material	Drainwire Position
Each Quad	Tape	Al/poly (Foil in)	100 %	22	7x30	TC - Tinned Copper	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
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### 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
Subunit Waterblocking:	Aramid Yarn
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

Jacket:	CPE
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. Pull Tension:	2700 N
Bulk Cable Weight:	134 lbs/1000ft

## Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	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
CA Prop 65 (CJ for Wire and Cable):	Yes
China RoHS II (GB/T 26572-2011):	Yes

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

## Flame Test

UL Flammability:	UL1666 Vertical Shaft
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Product Notes

Notes:	Copper conductor quads are individually shielded with individual drain wire
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## Overall Armor Shield

### Variants

Item #	Color	UPC	Length
2824RW 005CUT	Green		

2824RW 0051000	Green, Dark	612825400066	1,000 ft
2824RW 0055000	Green, Dark	612825400073	5,000 ft

Update and Revision:	Revision Number: 0.133 Revision Date: 08-25-2020
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