



**Product:** [7844R](#)

4-Channel SMPTE Stadium Cable, 8 Fiber, 8 Conductor 18 AWG, 8 Conductor 24 AWG, CMR

### Product Description

4-Channel SMPTE Stadium Cable, 8 Single Mode Fiber, 8 TC Conductor (19x30) 18 AWG and 8 TC Conductor (7x32) 24 AWG, PVC Insulation, Beldfoil Shield, PVC Jacket, Riser

### Technical Specifications

#### Product Overview

Suitable Applications:	4 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, Quad 4	8	24	7x32	TC - Tinned Copper	23.3 Ohm/1000ft Ohm/1000ft	PVC - Polyvinyl Chloride	0.038 in
Quad 1, Quad 2, Quad 3, Quad 4	8	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
Quad 4 - 24 AWG	Red/Blue
Quad 4 - 24 AWG	Gray/Blue
Quad 4 - 18 AWG	White/Blue
Quad 4 - 18 AWG	Black/Blue

Shielding:	Multiple or Specialty
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##### Multiconductor Inner Shield

Layer	Inner Shield Type	Inner Shield Material	Inner Shield Coverage	Drainwire AWG	Drainwire Stranding	Drainwire Material	Drainwire Diameter	Drainwire Position
Each Quad	Tape	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	8

Fiber Color Coding:	Yellow Printed
Subunit Diameter:	0.078 in (2.0 mm)

### Buffer Specification

Buffer Material	Buffer Diameter
PVC - Polyvinyl Chloride	900 µm

Number of Active Subunits:	8
Number of Subunit Positions:	8
Fibers Per Subunit:	1
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

### Outer Jacket

Nominal Diameter
0.510 in

Jacket:	PVC
Operating Temperature Range:	-20°C to 60°C
Max. Pull Tension:	170 lbs
Bulk Cable Weight:	187 lbs/1000ft

## Applicable Standards & Environmental Programs

NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG
Other Standards:	SMPTE 311
EU Directive 2011/65/EU (RoHS 2):	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

## Suitability

Suitability - Indoor:	Yes
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## Flame Test

CSA/C(UL) Flammability:	FT4, UL 1666 Vertical Shaft
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## Plenum/Non-Plenum

Plenum (Y/N):	N
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## History

Update and Revision:	Revision Number: 0.22 Revision Date: 09-20-2023
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### Variants

Item #	Color	Length
7844R 0101000	Black	1,000 ft
7844R 0104000	Black	4,000 ft

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