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please call

1-800-Belden1



### General Description:

4-Pair, F/UTP O/A Foil Shielded, Riser CMR-LP (0.6A), 23 AWG Solid Bare Copper Conductors, Helical TC Drain, Solid Polyolefin Insulation, Corrugated Flex Shield, Rip Cord, PVC Jacket

### Usage (Overall)

Suitable Applications: HDBaseT, Full 5-Play, 4K (UHD/DCI), POH, POE

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	23	Solid	BC - Bare Copper

Total Number of Conductors: 8

#### Insulation

Insulation Material:

Insulation Material
Polyolefin

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Corrugated flex shield / Mylar foil & helical drain wire

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (mm)
7.366

Outer Jacket Ripcord: Yes

#### Pair

Pair Color Code Chart:

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

### Mechanical Characteristics (Overall)

Storage Temperature Range: -20°C To +75°C

Installation Temperature Range: 0°C To +75°C

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 90C

Bulk Cable Weight: 55.063 Kg/Km

Max. Recommended Pulling Tension: 200.169 N

Min. Bend Radius/Minor Axis: 30.480 mm

Min. Bend/Installation: 58.420 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

NEC Articles:	800
CEC/C(UL) Specification:	CMR
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Applicable Patents:

Patent  
www.belden.com/p

Flame Test

UL Flame Test:	UL1666 Riser
C(UL) Flame Test:	FT4
CSA Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Burial:	No

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	2183P

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)  
100.000

Nom. Mutual Capacitance:

Capacitance (pF/m)  
49.215

Maximum Capacitance Unbalance (pF/100 m): 330

Nominal Velocity of Propagation:

VP (%)  
72.000

Maximum Delay:

Delay (ns/100 m)  
538 @ 100MHz

Max. Delay Skew:

Delay Skew (ns/100 m)  
45

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)  
9.38

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 m)
1.000	2.000
4.000	3.800
8.000	4.300
10.000	5.900
16.000	7.500
20.000	8.300
25.000	9.300
31.200	10.400
62.500	14.800

## METRIC MEASUREMENT VERSION

## 2183R Multi-Conductor - 4K UHD Media Cable - Riser

100.000	18.800
125.000	21.000
155.000	23.000
175.000	24.900
200.000	26.600
250.000	29.800
300.000	32.700
400.000	37.900
450.000	40.200
500.000	42.500

### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

### Maximum DCR Unbalanced:

<b>DCR Unbalance @ 20°C (%)</b>
3

### Notes (Overall)

**Notes:** Compliant with TIA/EIA-568C.2. Put-Ups BLACK 1000 & A1000, BLUE A1000, WHITE A1000

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
2183R 006A1000	1,000 FT	43.000 LB	BLUE, LIGHT		4 PR #23 PO FS PVC
2183R 009A1000	1,000 FT	43.000 LB	WHITE		4 PR #23 PO FS PVC
2183R 010A1000	1,000 FT	43.000 LB	BLACK		4 PR #23 PO FS PVC
2183R 0101000	1,000 FT	42.000 LB	BLACK		4 PR #23 PO FS PVC
2183R 0105000	5,000 FT	210.000 LB	BLACK		4 PR #23 PO FS PVC

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