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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, FR Polypropylene Rod Filler, 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. (in.)
0.290

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Fillers: FR Polypropylene Rod Filler

### 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: 37 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius/Minor Axis: 1.200 in.

Min. Bend/Installation: 2.300 in.

## 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
<a href="http://www.belden.com/p">www.belden.com/p</a>

### 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/ft)
15.000

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

### Max. Attenuation:

Description	Attenuation (dB/100 m)
1	2.000
4	3.800
8	4.300
10	5.900
16	7.500

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

20	8.300
25	9.300
31.2	10.400
62.5	14.800
100	18.800
125	21.000
155	23.000
175	24.900
200	26.600
250	29.800
300	32.700
400	37.900
450	40.200
500	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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