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### 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. (mm)
7.366

**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

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

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:**

<b>Delay (ns/100 m)</b>
538 @ 100MHz

**Max. Delay Skew:**

<b>Delay Skew (ns/100 m)</b>
45

**Maximum Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/100 m)</b>
9.38

**Max. Attenuation:**

Description	Attenuation (dB/100 m)
1	2.000
4	3.800
8	4.300
10	5.900
16	7.500
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	42.000 LB	BLUE, LIGHT		4K UHD MEDIA CABLE CMR
2183R 006Z1000	1,000 FT	41.000 LB	BLUE, LIGHT		4K UHD MEDIA CABLE CMR
2183R 009A1000	1,000 FT	42.000 LB	WHITE		4K UHD MEDIA CABLE CMR
2183R 009Z1000	1,000 FT	41.000 LB	WHITE		4K UHD MEDIA CABLE CMR
2183R 010A1000	1,000 FT	42.000 LB	BLACK		4K UHD MEDIA CABLE CMR
2183R 010Z1000	1,000 FT	41.000 LB	BLACK		4K UHD MEDIA CABLE CMR
2183R 0101000	1,000 FT	41.000 LB	BLACK		4K UHD MEDIA CABLE CMR
2183R 0105000	5,000 FT	205.000 LB	BLACK		4K UHD MEDIA CABLE CMR

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

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