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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, 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
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/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:

Voltage
300 V RMS

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)
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

Revision Number: 1 Revision Date: 05-05-2017

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