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please call

1-800-Belden1



General Description:

4-Pair, F/UTP O/A Foil Shielded, Plenum CMP-LP (0.6A), 23 AWG Solid Bare Copper Conductors, Helical TC Drain, Solid FEP Insulation, FEP Rod Filler, Corrugated Flex Shield, Rip Cord, Flamarrest® 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
FEP - Fluorinated Ethylene Propylene

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (mm)
6.604

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Fillers: FEP 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:	53.575 Kg/Km
Max. Recommended Pulling Tension:	200.169 N
Min. Bend Radius/Minor Axis:	25.400 mm
Min. Bend/Installation:	53.340 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
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:	NFPA 262
C(UL) Flame Test:	FT6
CSA Flame Test:	FT6

Suitability

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	2183R

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
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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

METRIC MEASUREMENT VERSION

2183P Multi-Conductor - 4K UHD Media Cable - Plenum

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
2183P D15A1000	1,000 FT	42.000 LB	BLUE		4 PR #23 FEP FS FLRST
2183P 009A1000	1,000 FT	42.000 LB	WHITE		4 PR #23 FEP FS FLRST
2183P 010A1000	1,000 FT	42.000 LB	BLACK		4 PR #23 FEP FS FLRST
2183P 010A250	250 FT	14.750 LB	BLACK		4 PR #23 FEP FS FLRST
2183P 0101000	1,000 FT	40.000 LB	BLACK		4 PR #23 FEP FS FLRST

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

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