

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



For more Information  
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. (in.)
0.260

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:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	45 lbs.
Min. Bend Radius/Minor Axis:	1 in.
Min. Bend/Installation:	2.100 in.

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

### 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/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

## 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:**

<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
2183P D15A1000	1,000 FT	41.000 LB	BLUE		4 PR #23 FEP FS FLRST
2183P 009A1000	1,000 FT	41.000 LB	WHITE		4 PR #23 FEP FS FLRST
2183P 010A1000	1,000 FT	41.000 LB	BLACK		4 PR #23 FEP FS FLRST
2183P 010A250	250 FT	14.500 LB	BLACK		4 PR #23 FEP FS FLRST
2183P 0101000	1,000 FT	39.000 LB	BLACK		4 PR #23 FEP FS FLRST

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

© 2017 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).