Belden



Product: 2183P

4K UHD Media Cable, 4 Pr #23, F/UTP Flamarrest® Jacket, CMP

Product Description

4 Pair 23 AWG Solid Bare Copper Conductors, FEP Insulation, F/UTP, Helical TC Drain, Ripcord, Flamarrest® Jacket, Plenum CMP-LP (0.6A)

Technical Specifications

Product Overview

Suitable Applications:	HDBaseT, Full 5-Play, 4K (UHD/DCI), POH, POE

Construction Details

Conductor

Size	Stranding	Material
23 AWG	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Color Code
FEP - Fluorinated Ethylene Propylene	0.010 in (0.25 mm)	Western Electric (Modified)

Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	26 AWG (Solid) TC	Two drain wires applied helically for added flexibility

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.018 in (0.46 mm)	0.270 in	Yes

Overall Cable Diameter (Nominal):	0.270 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Capacitance Unbalance	Nom. Velocity of Prop.	Max. Current
22.7 Ohm/1000ft	330 pF/100m	72%	3.1 Amps per Conductor at 25ºC

Nom Outer Shield DCR:	5.87 Ohm/1000ft (19.3 Ohm/km)

High Frequency (Nominal/Typical)

Frequency	Nom. Insertion Loss (Attenuation)
1 MHz	2 dB/100m (0.61 dB/100ft)
4 MHz	3.8 dB/100m (1.2 dB/100ft)
8 MHz	4.3 dB/100m (1.3 dB/100ft)
10 MHz	5.9 dB/100m (1.8 dB/100ft)
16 MHz	7.5 dB/100m (2.3 dB/100ft)
20 MHz	8.3 dB/100m (2.5 dB/100ft)
25 MHz	9.3 dB/100m (2.8 dB/100ft)
31.2 MHz	10.4 dB/100m (3.17 dB/100ft)
62.5 MHz	14.8 dB/100m (4.51 dB/100ft)
100 MHz	18.8 dB/100m (5.73 dB/100ft)
125 MHz	21 dB/100m (6.4 dB/100ft)

155 MHz	23 dB/100m (7.0 dB/100ft)
175 MHz	24.9 dB/100m (7.59 dB/100ft)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation	Storage
90°C	-20°C to +90°C	0°C To +75°C	-20°C to +75°C

Bend Radius

Stationary Min.	Installation Min.
2.7 in (69 mm)	2.7 in

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	36 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor, Outdoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), FT6
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP-LP (0.6A), CL3P
CEC / C(UL) Compliance:	CMP
IEEE Compliance:	POE per 802.3af & POE+ 802.3at-2009
ISO/IEC Compliance:	11801 ed 2.2 (2011) Class D
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2017-07-10
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	2183R

Product Notes

Notes:	Values Above 100 MHz are for Engineering Information Only. Print Includes Descending Footage Markings.

History

Update and Revision:	Revision Number: 0.414 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
2183P 0101000	Black	Reel	1,000 ft	612825391678
2183P 010A1000	Black	Reel-in-Box	1,000 ft	612825391708
2183P 010Z1000	Black	ReelTuff Box	1,000 ft	612825433231
2183P D15A1000	Blue	Reel-in-Box	1,000 ft	612825391685
2183P D15Z1000	Blue	ReelTuff Box	1,000 ft	612825433286
2183P 009A1000	White	Reel-in-Box	1,000 ft	612825391692

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