BELDEN

Product: [2183R](#) ⧉

4K UHD Media Cable, 4 Pr #23, F/UTP, PVC Jacket, CMR

Product Description

4 Pair 23 AWG Solid Bare Copper Conductors, PP Insulation, F/UTP, Helical TC Drain, Ripcord, PVC Jacket, Riser CMR-LP (0.6A)

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	23	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.013 in (0.33 mm)	0.48 in (12 mm)	White/Blue Stripe & Blue, White/Orange Stripe & Orange, White/Green Stripe & Green, White/Brown Stripe & Brown

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	0.025 in (0.64 mm)	0.290 in (7.37 mm)	Yes

Overall Cable Diameter (Nominal):	0.290 in (7.37 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Conductor DCR	Nom. Velocity of Prop.	Max. Current
Pair(s)	23.2 Ohm/1000ft	93.8 Ohm/km (28.6 Ohm/1000ft)	72%	2.8 Amps per conductor @ 30°C

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	52.8 lbs (23.9 kg)
Bulk Cable Weight:	36 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800
CEC / C(UL) Compliance:	CMR
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)
Plenum Number:	2183P

Product Notes

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

History

Update and Revision:	Revision Number: 0.411 Revision Date: 04-13-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
2183R 0101000	Black	Reel	1,000 ft	612825391746
2183R 010A1000	Black	Reel-in-Box	1,000 ft	612825391739
2183R 010Z1000	Black	ReelTuff Box	1,000 ft	612825433330
2183R 0105000	Black	Reel	5,000 ft	612825398776
2183R 006A1000	Blue, Light	Reel-in-Box	1,000 ft	612825391715
2183R 006Z1000	Blue, Light	ReelTuff Box	1,000 ft	612825433316
2183R 009A1000	White	Reel-in-Box	1,000 ft	612825391722
2183R 009Z1000	White	ReelTuff Box	1,000 ft	612825433323