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1-800-Belden1



### General Description:

HDBaseT Shielded Patchcord (cable 2183R), 4 Pair, 23 AWG Solid, CMR, T568A/B-T568A/B

### Usage (Overall)

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

### Multi Conductor

#### Physical Characteristics

##### Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
8	4	23	Solid	BC - Bare Copper

##### Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

##### Outer Shield

Outer Shield Material:

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

##### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

##### Overall Diameter

Overall Nominal Diameter: 7.366 mm

### Physical Characteristics (Connectivity)

#### Materials

Materials:

Description	Type	Material
Plug	RJ45	Polycarbonate
Boot		Polycarbonate
Front Connection	Blades	Phosphor Bronze with 50u inch Gold over Nickel Plating

#### Color

Boot Color: Translucent

#### Wiring Scheme

Wiring Scheme: T568A/B-T568A/B

#### Packaging

Packaging: Individually packaged in a clear plastic bag.

### Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility: RJ45

Termination Interface:

Termination	Connection	Durabilities
RJ45	Mated Connection	750 Cycles

## AV2183R1xxyy Cable Assemblies - 4K UHD Media Patch Cable

Storage Temperature Range:	-40°C To +70°C
Installation Temperature Range:	-10°C To +60°C
Operating Temperature Range:	-10°C To +60°C
Max. Recommended Pull Tension:	50.042 N
Min. Bend Radius (Overall Cable):	55.880 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

UL Rating:	Riser
Other Standards:	FCC Part 68, Subpart F, IEC 60603-7, UL 1863 and CSA-22.2 No. 233
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006
MII Order #39 (China RoHS):	EUP 50
Safety Listing:	c(UL)us Listed

#### Suitability

Suitability - Indoor:	Yes
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### Transmission Characteristics (Connectivity)

Performance Table 1:

Frequency (MHz)	Max. Insertion Loss Belden (dB)
1.000	2.000
4.000	3.800
8.000	4.300
10.000	5.900
16.000	7.500
20.000	8.300
25.000	9.300
62.500	14.800
31.250	10.400
100.000	18.800
125.000	21.000
155.000	23.000
200.000	26.600
175.000	24.900
250.000	29.800
300.000	32.700
400.000	37.900
500.000	42.500

Performance Table - Footnote: Compliant with TIA/EIA-568-C.2 Standard

Dielectric Strength:	1,000 V RMS @ 60 Hz for 1 minute
Current Rating:	1.500 A
Insulation Resistance:	500 M-Ohm Minimum
Max. Contact Resistance:	20 m-Ohm

### Electrical Characteristics (Overall)

#### Labeling

Labeling: Labeling: Belden Part Number, Performance Acronym, Wiring Scheme and Cord Length.

#### Notes (Overall)

Notes: AV2183R1xxyy is subdivided as following AV-2183R-1-xx-yyy AV stands for application, 2183R stands for cable type, 1 stands for termination type (T568A/B, RJ45/RJ45), xx stands for color (00-black, 06-blue, 09-white), yyy stands for length in feet.

Notes (Cont'd.): Cable 2183R Weight: 0.037 lbs/ft.

#### Product Family

##### Product List:

Length	Black	Blue
5 ft. (1.5 m)	AV2183R100005	AV2183R106005
7 ft. (2.1 m)	AV2183R100007	AV2183R106007
17 ft. (5.2 m)	AV2183R100017	AV2183R106017

## METRIC MEASUREMENT VERSION

### AV2183R1xyyy Cable Assemblies - 4K UHD Media Patch Cable

50 ft. (15.2 m)	AV2183R100050	AV2183R106050
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#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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