



For more Information
please call

1-800-Belden1



General Description:

PTZ (Control+Power) Cable, Plenum-CMP, 2-23 AWG solid bare copper pairs with FEP insulation, 2-16 AWG stranded bare copper conductors with FEP insulation, Flamarrest® jacket

Usage (Overall)

Suitable Applications:

UTP-CCTV, CCTV Video/Control, Surveillance, Video Over Twisted Pairs, Closed Circuit Television, Pan/Tilt/Zoom Cameras, PTZ, CCTV on UTP, CCTV

Twisted Pair

Physical Characteristics

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
2	23	Solid	BC - Bare Copper	0.023

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FEP - Fluorinated Ethylene Propylene	0.041

Twisted Pair Color Code Chart:

Number	Color
1	Blue and White/Blue
2	Orange and White/Orange

Inner Shield

Inner Shield Material:

Inner Shield Material
Unshielded

Inner Jacket

Inner Jacket Color Code Chart:

Number	Color
1	Blue and White/Blue
2	Orange and White/Orange

Electrical Characteristics

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
15.000

Maximum Capacitance Unbalance:

Capacitance (pF/ft)
330.000

Nominal Velocity of Propagation:

VP (%)
70.000

Maximum Delay:

Delay (ns/ft)
45.000

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
9.000

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)
5.000

Premise Cable Electricals:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. PSNEXT (dB)	Fitted Imp. (Ohms)
1.0	2.000	62	100 ± 15%

4.0	4.100	53	100 ± 15%
8.0	5.800	48	100 ± 15%
10.0	6.500	47	100 ± 15%
16.0	8.200	44	100 ± 15%
20.0	9.300	42	100 ± 15%
25.0	10.400	41	100 ± 15%
31.25	11.700	39	100 ± 15%
62.5	17.000	35	100 ± 15%
100	22.000	32	100 ± 15%

Premise Cable Electrical Table 1:

Freq. (MHz)	Min. PSACR (dB)	Min RL (dB)
1	60	20.000
4	49	23.000
8	43	24.500
10	41	25.000
16	36	25.000
20	34	25.000
25	31	24.300
31.25	28	23.600
62.5	19	21.500
100	11	20.100

Premise Cable Electrical Table 2:

Freq. (MHz)	Min. PSELFEXT (dB)
1	61
4	49
8	43
10	41
16	37
20	35
25	33
31.25	31
62.5	24
100	21

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	16	19x29	TC - Tinned Copper	0.059

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FEP - Fluorinated Ethylene Propylene	0.077

Insulation Color Code Chart:

Number	Color
1	Red
2	Black

Individual Shield

Electrical Characteristics

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
1.470

Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.187 in.

Mechanical Characteristics (Overall)

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 105 lbs.

Min. Bend Radius/Minor Axis: 1.875 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
Other Standards:	ISO/IEC 11801, Category 5e for data pair
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005
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

Flame Test

UL Flame Test: NFPA 262

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5284UE

Electrical Characteristics (Overall)

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Notes (Overall)

Notes: Overall jacket sequentially marked.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6284UE 0091000	1,000 FT	38.000 LB	WHITE	C	2P23 UTP + 2C16 CMP
6284UE 009500	500 FT	19.500 LB	WHITE	C	2P23 UTP + 2C16 CMP
6284UE 0101000	1,000 FT	38.000 LB	BLACK	C	2P23 UTP + 2C16 CMP
6284UE 010500	500 FT	19.500 LB	BLACK	C	2P23 UTP + 2C16 CMP

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 03-13-2013

© 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.