




Product: [6284UE](#) 

PTZ, #23-2pr, #16-2c, CMP

Product 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

Technical Specifications

Product Overview

Suitable Applications:	Surveillance, CCTV Camera, PTZ (Pan-Tilt-Zoom), UTP-CCTV
Patent:	This product has one or more applicable patents. More information on patents can be found at https://www.belden.com/patents .

Construction Details

Conductor

Element	Size	Stranding	Material	No. of Pairs
Cat 5e Pair	23	Solid	BC - Bare Copper	2
Pair1	16	19x29	TC - Tinned Copper	

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Cat 5e Pair	FEP - Fluorinated Ethylene Propylene	0.041 in (1.0 mm)	Blue and White/Blue, Orange and White/Orange, Black & Red
Pair1	PVC - Polyvinyl Chloride	0.077 in (2.0 mm)	

Inner Shield

Element	Material
Cat 5e Pair	No Shield
Pair1	No Shield

Outer Shield

Material
No Shield

Outer Jacket

Material	Material Trade Name	Nom. Diameter
PVC - Polyvinyl Chloride	Flamarrest®	0.187 in

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
27.432 Ohm/1000ft (90.000 Ohm/km)	330 pF/ft
14.7 Ohm/km (4.48 Ohm/1000ft)	

Delay

Max. Delay	Max. Delay Skew	Nom. Velocity of Prop.
45 ns/ft	70 ns/100m	70%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation) [dB/100m]	Min. PSNEXT [dB]	Min. PSACR [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]	Max./Min. Fitted Impedance
1	2	62	60	61	20	100 ± 15%
4	4.1	53	49	49	23	100 ± 15%
8	5.8	48	43	43	24.5	100 ± 15%
10	6.5	47	41	41	25	100 ± 15%
16	8.2	44	36	37	25	100 ± 15%
20	9.3	42	34	35	25	100 ± 15%
25	10.4	41	31	33	24.3	100 ± 15%
31.25	11.7	39	28	31	23.6	100 ± 15%
62.5	17	35	19	24	21.5	100 ± 15%
100	22	32	11	21	20.1	100 ± 15%

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation
75°C	-10°C To +75°C	0°C To +75°C

Max. Pull Tension:	105 lbs (47.6 kg)
Bulk Cable Weight:	35 lbs/1000ft (52 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
ISO/IEC Compliance:	ISO/IEC 11801, Category 5e for data pairs
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ISO/IEC 11801, Category 5e
Non-Plenum Number:	5284UE

Product Notes

Notes:	Overall jacket sequentially marked.
--------	-------------------------------------

History

Update and Revision:	Revision Number: 0.343 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	UPC	Footnote
6284UE 0101000	Black	612825174578	C
6284UE 010500	Black	612825174585	C
6284UE 0091000	White	612825174554	C
6284UE 009500	White	612825174561	C

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2025 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.