

**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 <a href="https://www.belden.com/patents">https://www.belden.com/patents</a> .

**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.

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