

## 6284US Composite - CCTV and PTZ Applications



For more Information  
please call

1-800-Belden1



### General Description:

PTZ (Control+Power) Cable, Plenum-CMP, 2-24 AWG solid bare copper pairs with FEP insulation, 2-16 AWG stranded bare copper conductors with Flamarrest® insulation, Siamese Flamarrest® jacket

### Usage (Overall)

Suitable Applications:

UTP-CCTV, CCTV Video/Control, Surveillance, Video Over Twisted Pairs, Closed Circuit Television

### Twisted Pair

#### Physical Characteristics

##### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
2	24	Solid	BC - Bare Copper	0.021

##### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FEP - Fluorinated Ethylene Propylene	0.035

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

##### Individual Shield

#### Electrical Characteristics

Nominal Velocity of Propagation:

VP (%)
70.000

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
9.380

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

**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 Trade Name	Insulation Material	Dia. (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.077

Insulation Color Code Chart:

Number	Color
1	Red
2	Black

**Individual Shield****Applicable Specifications and Agency Compliance****Applicable Standards & Environmental Programs**

EU CE Mark: Yes

**Electrical Characteristics**

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
4.500

**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: 0.183 x 0.368 in.

**Mechanical Characteristics (Overall)**

Bulk Cable Weight: 45 lbs/1000 ft.

Max. Recommended Pulling Tension: 100 lbs.

Min. Bend Radius/Minor Axis: 1.700 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): 04/01/2006

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; Cable): Yes

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MII Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	NFPA 262
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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Non-Plenum Number:	5284US
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**Electrical Characteristics (Overall)**

Max. Operating Voltage - Non-UL:

<b>Voltage</b>
300 V RMS

**Notes (Overall)**

**Notes:** Overall jacket sequentially marked.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6284US 0091000	1,000 FT	50.000 LB	WHITE	C	COMPOSITE CABLE FLRST PARA
6284US 009500	500 FT	26.000 LB	WHITE	C	COMPOSITE CABLE FLRST PARA
6284US 010500	500 FT	26.000 LB	BLACK	C	COMPOSITE CABLE FLRST PARA

**Notes:**

C = CRATE REEL PUT-UP.

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