# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 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:

	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

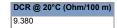
### Individual Shield

# **Electrical Characteristics**

Nominal Velocity of Propagation:

**VP (%)** 70.000

# Maximum Conductor DC Resistance:



# Maximum DCR Unbalanced:



#### 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

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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** 

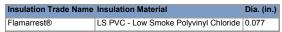
Conductor

AWG:

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

Insulation

Insulation Material:



Insulation Color Code Chart:



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 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** 

CMP
CMP
Yes
ISO/IEC 11801, Category 5e for data pair
Yes
Yes
04/01/2006
Yes
Yes
Yes

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MII Order #39 (China RoHS): Flame Test **UL Flame Test:** NFPA 262 Plenum/Non-Plenum Plenum (Y/N): Yes Non-Plenum Number: 5284US

#### **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
6284US 0091000	1,000 FT	50.000 LB	WHITE	С	COMPOSITE CABLE FLRST PARA
6284US 009500	500 FT	26.000 LB	WHITE	С	COMPOSITE CABLE FLRST PARA
6284US 010500	500 FT	26.000 LB	BLACK	С	COMPOSITE CABLE FLRST PARA

Notes: C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-13-2013

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product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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