# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 5288US Composite - CCTV and PTZ Applications



For more Information please call

1-800-Belden1



#### **General Description:**

PTZ (Control+Power) Cable, Riser-CMR, Cat5e 4-24 AWG solid bare copper data pairs with polyolefin insulation, 2-16 AWG stranded bare copper conductors with PVC insulation, Siamese PVC 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.)
4	24	Solid	BC - Bare Copper	0.021

#### Insulation

#### Insulation Material:



#### Twisted Pair Color Code Chart:

Number	Color
1	Blue and White/Blue
2	Orange and White/Orange
3	Green and White/Green
4	Brown and White/Brown

# Inner Shield

#### Inner Shield Material:



## Individual Shield

#### **Electrical Characteristics**

Nominal Velocity of Propagation:

**VP (%)** 70.000

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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

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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	21.300
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**

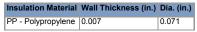
#### Conductor

AWG:

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

#### Insulation

Insulation Material:



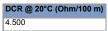
## Insulation Color Code Chart:

Number	Color
1	Red
2	Black

#### Individual Shield

#### **Electrical Characteristics**

Maximum Conductor DC Resistance:



## **Physical Characteristics (Overall)**

# Conductor

Outer Shield

Outer Shield Material:



#### **Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
F-R PVC - Flame Retardant Polyvinyl Chloride

# Overall Cable

Overall Nominal Diameter: 0.198 x 0.408 in.

# Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	60 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.
Min. Bend Radius/Minor Axis:	2 in.

## **Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs** 

NEC/(UL) Specification:	CIVIR
NEC//III \ Specification:	CMR

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CEC/C(UL) Specification:	CMG	
U Directive 2011/65/EU (ROHS II):	Yes	
Other Standards:	ISO/IEC 11801, Category 5e for data pairs	
U Directive 2000/53/EC (ELV):	Yes	
U Directive 2002/95/EC (RoHS):	Yes	
U RoHS Compliance Date (mm/dd/yyyy):	04/01/2005	
U Directive 2002/96/EC (WEEE):	Yes	
EU Directive 2003/11/EC (BFR):	Yes	
CA Prop 65 (CJ for Wire & Cable):	Yes	
/III Order #39 (China RoHS):	Yes	
e Test		
JL Flame Test:	UL1666 Riser	
C(UL) Flame Test:	FT4	
um/Non-Plenum		
Plenum (Y/N):	No	
Plenum Number:	6288US	
	EU Directive 2011/65/EU (ROHS II):  Other Standards:  EU Directive 2000/53/EC (ELV):  EU Directive 2002/95/EC (RoHS):  EU ROHS Compliance Date (mm/dd/yyyy):  EU Directive 2002/96/EC (WEEE):  EU Directive 2003/11/EC (BFR):  CA Prop 65 (CJ for Wire & Cable):  MII Order #39 (China RoHS):  e Test  UL Flame Test:  E(UL) Flame Test:  EUM/Non-Plenum  Plenum (Y/N):	

#### **Electrical Characteristics (Overall)**

Max. Operating Voltage - UL:

Voltage 300 V RMS

#### Notes (Overall)

Notes: Overall jacket sequentially marked.

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5288US 0091000	1,000 FT	49.000 LB	WHITE	С	5E4PR UTP + 2C16 CMR SIAM
5288US 0101000	1,000 FT	49.000 LB	BLACK	С	5E4PR UTP + 2C16 CMR SIAM

C = CRATE REEL PUT-UP.

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

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