

For more Information
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1-800-Belden1



Description:

"23 AWG solid BC conductors, FEP insulation, plus 2 power conductors, 16 AWG stranded (19x29) tinned copper conductors, FEP insulation, unshielded, overall Flam arrest® 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. (mm)
4	23	Solid	BC - Bare Copper	0.584

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FEP - Fluorinated Ethylene Propylene	1.067

Twisted Pair Color Code Chart:

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

Inner Shield

Inner Shield Material:

Inner Shield Material
Unshielded

Electrical Characteristics

Nominal Velocity of Propagation:

VP (%)
70.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
29.529

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

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. (mm)
2	16	19x29	TC - Tinned Copper	1.499

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	1.956

Insulation Color Code Chart:

Number	Color
1	Red
2	Black

Electrical Characteristics

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
4.500

Max. Operating Voltage - UL:

Voltage
300 V RMS

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: 5.639 x 11.430 mm

Mechanical Characteristics (Overall)

Bulk Cable Weight: 108.639 Kg/Km

Max. Recommended Pulling Tension: 578.266 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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): 12/01/2005

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

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

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

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL910 Steiner Tunnel

CSA Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 5288US

Notes (Overall)

Notes: Overall jacket sequentially marked.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6288US 0091000	305 MT	29.937 KG	WHITE	C	COMPOSITE CABLE FLRST PARA
6288US 0101000	305 MT	29.937 KG	BLACK	C	COMPOSITE CABLE FLRST PARA
6288US 010500	152 MT	15.649 KG	BLACK	C	COMPOSITE CABLE FLRST PARA

Notes:

C = CRATE REEL PUT-UP.

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6288US Composite - CCTV and PTZ Applications

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