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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 & Cable): Yes

6284US Composite - CCTV and PTZ Applications

MII Order #39 (China RoHS): Yes

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 | C | 2P24 UTP + 2C16 CMP SIAM |
| 6284US 009500 | 500 FT | 26.000 LB | WHITE | C | 2P24 UTP + 2C16 CMP SIAM |
| 6284US 010500 | 500 FT | 26.000 LB | BLACK | C | 2P24 UTP + 2C16 CMP SIAM |

Notes:
C = CRATE REEL PUT-UP.

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