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1-800-Belden1



Description:

22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, PVC insulation, individually shielded, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 6 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 12

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--------------------------|------------|
| PVC - Polyvinyl Chloride | .062 |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 22 |

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .053 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

| Direction |
|---------------|
| Left-hand Lay |

Overall Nominal Diameter: 0.457 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|----------------------------|
| 1 | Black & Red and Numbered 1 |
| 2 | Black & Red and Numbered 2 |
| 3 | Black & Red and Numbered 3 |

| | |
|--------------------|----------------------------|
| 4 | Black & Red and Numbered 4 |
| 5 | Black & Red and Numbered 5 |
| 6 | Black & Red and Numbered 6 |
| Communication Wire | Orange |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|------------------|
| Operating Temperature Range: | -30°C To +105°C |
| Bulk Cable Weight: | 101 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 101 lbs. |
| Min. Bend Radius/Minor Axis: | 4.330 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|----------------|
| NEC/(UL) Specification: | PLTC, ITC, CMG |
| CEC/C(UL) Specification: | CMG |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| 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: | UL1685 FT4 Loading |
| C(UL) Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |
| ICEA Flame Test: | T-29-520 |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Burial: | Yes |
| Sunlight Resistance: | Yes |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/ft)

.21

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

45

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

26

9331 Multi-Conductor - 300V Power-Limited Tray Cable

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 15 |

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 76 Ohm/1000 ft

Max. Operating Voltage - UL:

| Voltage |
|-------------------------|
| 300 V RMS (PLTC CMG) |
| 150 V RMS (ITC) |

Max. Recommended Current:

| Current |
|-------------------------------|
| 3.4 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|---------------------|
| 9331 0601000 | 1,000 FT | 118.000 LB | CHROME | C | 6 FS PR #22 PVC PVC |
| 9331 060500 | 500 FT | 54.500 LB | CHROME | C | 6 FS PR #22 PVC PVC |

Notes:
C = CRATE REEL PUT-UP.

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