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1-800-Belden1



General Description:

22 AWG stranded (7x30) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PE - Polyethylene | 0.432 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape w/shorting fold | 100.000 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22 | Stranded | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.635 |

Overall Cable

Overall Cabling Lay Length & Direction:

| Length (mm) | Direction | Twists (twist/m) |
|-------------|-----------|------------------|
| 50.800 | Left Hand | 19.686 |

Overall Nominal Diameter: 4.445 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & Clear |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|--------------------------|
| Operating Temperature Range: | -20°C To +60°C |
| UL Temperature Rating: | 60°C (UL AWM Style 2092) |
| Bulk Cable Weight: | 23.811 Kg/Km |
| Max. Recommended Pulling Tension: | 120.101 N |
| Min. Bend Radius/Minor Axis: | 44.450 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|----------------------------|
| NEC/(UL) Specification: | CM |
| NEC Articles: | 800 |
| CEC/(UL) Specification: | CM |
| AWM Specification: | UL Style 2092 (300 V 60°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| 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): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |

Flame Test

| | |
|-----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
| CSA Flame Test: | FT1 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

| | |
|----------------|---------------------|
| Plenum (Y/N): | No |
| Plenum Number: | 88761, 87761, 82761 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|------------------------|
| Impedance (Ohm) |
| 64 |

Nom. Inductance:

| |
|--------------------------|
| Inductance (µH/m) |
| 0.6562 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------------|
| Capacitance (pF/m) |
| 78.744 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------------|
| Capacitance (pF/m) |
| 154.207 |

Nom. Conductor DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 52.496 |

Max. Operating Voltage - UL:

| |
|-------------------------------|
| Voltage |
| 300 V RMS (UL AWM Style 2092) |

Max. Recommended Current:

| Description | Current |
|----------------------|---------------------------------------|
| 10C temperature rise | 2.9 Amps per conductor @ 25°C ambient |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|-----------|-------------|--------|-------|-----------------|
| 8761 060U1000 | 1,000 FT | 17.000 LB | CHROME | | 2 #22 PE FS PVC |
| 8761 060U500 | 500 FT | 9.000 LB | CHROME | | 2 #22 PE FS PVC |
| 8761 0601000 | 1,000 FT | 18.000 LB | CHROME | C | 2 #22 PE FS PVC |
| 8761 06010000 | 10,000 FT | 170.000 LB | CHROME | C Y | 2 #22 PE FS PVC |
| 8761 06010001 | 10,000 FT | 170.000 LB | CHROME | C Z | 2 #22 PE FS PVC |
| 8761 06015000 | 15,000 FT | 270.000 LB | CHROME | C Y | 2 #22 PE FS PVC |
| 8761 0602000 | 2,000 FT | 36.000 LB | CHROME | | 2 #22 PE FS PVC |
| 8761 060500 | 500 FT | 9.000 LB | CHROME | | 2 #22 PE FS PVC |
| 8761 0605000 | 5,000 FT | 90.000 LB | CHROME | C | 2 #22 PE FS PVC |

Notes:

C = CRATE REEL PUT-UP.
 Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.
 Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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