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1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 24 | 7x32 | 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 | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24 | 7x32 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 4.267 mm

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 60°C (UL AWM Style 2092)

Bulk Cable Weight: 17.858 Kg/Km

Max. Recommended Pulling Tension: 48.930 N

Min. Bend Radius/Minor Axis: 44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(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 |
| MII Order #39 (China RoHS): | Yes |

Flame Test

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

Plenum/Non-Plenum

| | |
|----------------|--------------|
| Plenum (Y/N): | No |
| Plenum Number: | 88641, 82641 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
80

Nom. Inductance:

Inductance (µH/m)
0.72182

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
72.182

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
137.802

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
82.025

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
47.9026

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2092)

Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|--------------------|
| 8641 060U1000 | 305 MT | 6.350 KG | CHROME | | 1 #24 FS PR PE PVC |
| 8641 060U500 | 152 MT | 3.402 KG | CHROME | | 1 #24 FS PR PE PVC |
| 8641 060100 | 30 MT | 0.907 KG | CHROME | | 1 #24 FS PR PE PVC |
| 8641 0601000 | 305 MT | 6.350 KG | CHROME | C | 1 #24 FS PR PE PVC |
| 8641 060500 | 152 MT | 3.175 KG | CHROME | | 1 #24 FS PR PE PVC |
| 8641 0605000 | 1,524 MT | 29.484 KG | CHROME | | 1 #24 FS PR PE PVC |

Notes:

C = CRATE REEL PUT-UP.

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