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please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductors, plenum, FEP insulation, twisted pairs, individually shielded Beldfoil® (100% coverage), 24 AWG stranded TC drain wire, fluorocopolymer jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2       | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 4

#### Insulation

Insulation Material:

| Insulation Material                  | Wall Thickness (in.) |
|--------------------------------------|----------------------|
| FEP - Fluorinated Ethylene Propylene | 0.007                |

#### Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24  |

Inner Shield Drain Wire Stranding: 7x32

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.) |
|------------------------|---------------------------|
| PVDF - Fluorocopolymer | 0.014                     |

#### Overall Cable

Overall Nominal Diameter: 0.148 in.

#### Pair

Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Red & Black   |
| 2      | Green & White |

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +150°C

Bulk Cable Weight: 18 lbs/1000 ft.

Max. Recommended Pulling Tension: 46 lbs.

Min. Bend Radius/Minor Axis: 1.500 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

|                                       |            |
|---------------------------------------|------------|
| 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:  | NFPA 262 |
| CSA Flame Test: | FT6      |

**Plenum/Non-Plenum**

|                    |      |
|--------------------|------|
| Plenum (Y/N):      | Yes  |
| Non-Plenum Number: | 8723 |

**Electrical Characteristics (Overall)**

**Nom. Characteristic Impedance:**

Impedance (Ohm)  
40

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)  
35

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)  
67

**Nominal Velocity of Propagation:**

VP (%)  
69

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
14.7

**Nom. Inner Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)  
15

**Nominal Conductor Loop Resistance:**

Resistance @ 20°C (Ohm/1000 ft)  
34

**Max. Operating Voltage - UL:**

Voltage  
300 V RMS

**Max. Recommended Current:**

Current  
2.3 Amps per conductor @ 25°C

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc             |
|---------------|----------|-------------|-------|-------|-----------------------|
| 87723 0021000 | 1,000 FT | 20.000 LB   | RED   | C     | 2 SH PR #22 FEP SOLEF |
| 87723 002500  | 500 FT   | 11.000 LB   | RED   | C     | 2 SH PR #22 FEP SOLEF |

**Notes:**  
C = CRATE REEL PUT-UP.

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## 87723 Multi-Conductor - Double-Pair Cable

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