

## 88723 Multi-Conductor - Shielded Twisted Pair Cable



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) tinned copper conductors, FEP insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded (7x32) tinned copper drain wire, FEP jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

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

**Insulation**

Insulation Material:

| Insulation Material                  |
|--------------------------------------|
| FEP - Fluorinated Ethylene Propylene |

**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                |
|--------------------------------------|
| FEP - Fluorinated Ethylene Propylene |

**Overall Cabling**

Overall Nominal Diameter: 3.759 mm

**Pair**

Pair Color Code Chart:

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

Pair Lay Length & Direction:

| Lay Length (mm) | Twists/ft. (twist/m) |
|-----------------|----------------------|
| 44.449825       | 22.475               |

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -70°C To +200°C

## 88723 Multi-Conductor - Shielded Twisted Pair Cable

|                                        |              |
|----------------------------------------|--------------|
| Bulk Cable Weight:                     | 29.169 Kg/Km |
| Max. Recommended Pulling Tension:      | 204.617 N    |
| Min. Bend Radius (Install)/Minor Axis: | 38.100 mm    |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMP        |
| CEC/C(UL) Specification:              | CMP        |
| 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 |
| C(UL) 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/m) |
| 114.835            |

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 219.827            |

## Nominal Velocity of Propagation:

|        |
|--------|
| VP (%) |
| 69     |

## Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 48.2307             |

## Nom. Inner Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 49.215              |

## Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

## Max. Recommended Current:

|                               |
|-------------------------------|
| Current                       |
| 2.3 Amps per conductor @ 25°C |

## 88723 Multi-Conductor - Shielded Twisted Pair Cable

**Notes (Overall)**

Notes: Non.conduit.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc           |
|---------------|----------|-------------|-------|-------|---------------------|
| 88723 002100  | 30 MT    | 1.542 KG    | RED   | C     | 2 SH PR #22 FEP FEP |
| 88723 0021000 | 305 MT   | 8.618 KG    | RED   | C     | 2 SH PR #22 FEP FEP |
| 88723 002500  | 152 MT   | 4.990 KG    | RED   | C     | 2 SH PR #22 FEP FEP |
| 88723 0025000 | 1,524 MT | 45.359 KG   | RED   |       | 2 SH PR #22 FEP FEP |

**Notes:**

C = CRATE REEL PUT-UP.

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