

## 88723 Multi-Conductor - Shielded Twisted Pair Cable



For more Information  
please call

1-800-Belden1



### General 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 |

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.) |
|--------------------------------------|---------------------------|
| FEP - Fluorinated Ethylene Propylene | 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: -70°C To +200°C

Bulk Cable Weight: 19 lbs/1000 ft.

## 88723 Multi-Conductor - Shielded Twisted Pair Cable

|                                   |           |
|-----------------------------------|-----------|
| 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

#### 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.

### Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color | Notes | Item Desc           |
|---------------|----------|-------------|-------|-------|---------------------|
| 88723 002100  | 100 FT   | 3.400 LB    | RED   | C     | 2 SH PR #22 FEP FEP |
| 88723 0021000 | 1,000 FT | 21.000 LB   | RED   | C     | 2 SH PR #22 FEP FEP |
| 88723 002500  | 500 FT   | 11.000 LB   | RED   | C     | 2 SH PR #22 FEP FEP |
| 88723 0025000 | 5,000 FT | 100.000 LB  | RED   |       | 2 SH PR #22 FEP FEP |

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-15-2012

© 2019 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Multi-Conductor Cables](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[8916-GRY-100](#) [8917-BLK-100](#) [8918-GRN/YEL-100](#) [8920-BRN-1000](#) [8920-RED-1000](#) [89907-LT-DEC/GRY-500](#) [CR3909-000](#) [CR3927-000](#) [01342.35T.01](#) [01364.35T.01](#) [CS2885-000](#) [CS8782-000](#) [CS9912-000](#) [6200UE-NAT-U1000](#) [CTC-0062-20-9/5-9](#) [CTC-0062-22-9/5-9](#) [6304FE-877-U500](#) [6309UE-877-1000](#) [6320UE-NAT-U1000](#) [644833-000](#) [6502FE 8771000](#) [6504UE-877-U1000](#) [CW9530-000](#) [CX6543-000](#) [CXA-0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-0078-22-4-9CS2405](#) [CXA-0078-24-4-9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [CY0660-000](#) [720451-000](#) [730859-000](#) [MCC-USB-4-250](#) [752687-000](#) [768146-000](#) [773159-000](#) [7934A-BLK-1000](#) [8125-CHR-100](#) [8164-CHR-1000](#) [820457-000](#) [8205-CHR-1000](#) [8240-BLK-U1000](#) [82723-NAT-1000](#) [82907-NAT-500](#) [83003-YEL-500](#) [83005-WHT-500](#) [83006-DK-GRN-100](#) [83008-WHT-1000](#) [83009-BLK-100](#) [83009-VIO-100](#)