

## 8723 Paired - Shielded Twisted Pair Cable

|                                                                                                                                                                      |                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p>For more information please call<br/><b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Related Documents : No. 1.pdf</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

### Description:

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

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

|                            |                    |
|----------------------------|--------------------|
| Number of Pairs            | 2                  |
| Total Number of Conductors | 4                  |
| AWG                        | 22                 |
| Stranding                  | 7x30               |
| Conductor Material         | TC - Tinned Copper |

#### INSULATION:

|                     |                    |
|---------------------|--------------------|
| Insulation Material | PP - Polypropylene |
| Lay Length          | 1.5 in.            |
| Twists/ft.          | 8                  |

#### Pair Color Code Chart :

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

#### INNER SHIELD:

|                                            |                              |
|--------------------------------------------|------------------------------|
| Inner Shield Material Trade Name           | Beldfoil® (Z-Fold®)          |
| Inner Shield Type                          | Tape                         |
| Inner Shield Material                      | Aluminum Foil-Polyester Tape |
| Inner Shield % Coverage                    | 100 %                        |
| Inner Shield Drain Wire AWG                | 24                           |
| Inner Shield Drain Wire Stranding          | 7x32                         |
| Inner Shield Drain Wire Conductor Material | TC - Tinned Copper           |

#### OUTER SHIELD:

|                       |            |
|-----------------------|------------|
| Outer Shield Material | Unshielded |
|-----------------------|------------|

#### OUTER JACKET:

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|                       |                          |
|-----------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
|-----------------------|--------------------------|

### OVERALL NOMINAL DIAMETER:

|                          |          |
|--------------------------|----------|
| Overall Nominal Diameter | .160 in. |
|--------------------------|----------|

### MECHANICAL CHARACTERISTICS:

|                                  |                   |
|----------------------------------|-------------------|
| Operating Temperature Range      | -30°C To +60°C    |
| UL Temperature Rating            | 60°C              |
| Bulk Cable Weight                | 18.3 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 50 lbs.           |
| Min. Bend Radius (Install)       | 1.6 in.           |

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification                | CM         |
| CEC/C(UL) Specification               | CM         |
| EU CE Mark (Y/N)                      | Yes        |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

#### FLAME TEST:

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

#### PLENUM/NON-PLENUM:

|               |                            |
|---------------|----------------------------|
| Plenum (Y/N)  | N                          |
| Plenum Number | 82723, 87723, 88723, 1325A |

### ELECTRICAL CHARACTERISTICS:

|                                                    |                               |
|----------------------------------------------------|-------------------------------|
| Nom. Characteristic Impedance                      | 45 Ohms                       |
| Nom. Inductance                                    | 0.17 µH/ft                    |
| Nom. Capacitance Conductor to Conductor @ 1 KHz    | 35 pF/ft                      |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz    | 62 pF/ft                      |
| Nominal Velocity of Propagation                    | 66 %                          |
| Nom. Conductor DC Resistance @ 20 Deg. C           | 14.7 Ohms/1000 ft             |
| Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C | 15 Ohms/1000 ft               |
| Max. Operating Voltage - UL                        | 300 V RMS                     |
| Max. Recommended Current                           | 2.3 Amps per conductor @ 25°C |

### PUT-UPS AND COLORS:

| Item         | Description        | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|--------------------|--------------|--------------------|--------------|-------|
| 8723 060100  | 2 SH PR #22 PP PVC | 100          | 2.3                | CHROME       |       |
| 8723 0601000 | 2 SH PR #22 PP PVC | 1000         | 20                 | CHROME       | C     |

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|               |                    |       |      |        |     |
|---------------|--------------------|-------|------|--------|-----|
| 8723 06010000 | 2 SH PR #22 PP PVC | 10000 | 200  | CHROME | C Y |
| 8723 0601640  | 2 SH PR #22 PP PVC | 1640  | 32.8 | CHROME |     |
| 8723 0602000  | 2 SH PR #22 PP PVC | 2000  | 40   | CHROME | C   |
| 8723 0603280  | 2 SH PR #22 PP PVC | 3280  | 65.6 | CHROME | C   |
| 8723 060500   | 2 SH PR #22 PP PVC | 500   | 10   | CHROME |     |
| 8723 0605000  | 2 SH PR #22 PP PVC | 5000  | 95   | CHROME | C   |
| 8723 060U1000 | 2 SH PR #22 PP PVC | U1000 | 20   | CHROME |     |
| 8723 060U2000 | 2 SH PR #22 PP PVC | U2000 | 38   | CHROME |     |
| 8723 060U500  | 2 SH PR #22 PP PVC | U500  | 10.5 | CHROME |     |

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'.

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