## **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

## 8728 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information please call

1-800-Belden1



### **General Description:**

22 AWG stranded (7x30) TC conductors, polypropylene insulation, cabled in pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded TC drain wires, PVC jacket.

| Physical C                   | haracteristics (Over                                      | all)    |  | · •             |                          |  |  |  |  |
|------------------------------|---|---------|--|-----------------|--------------------------|--|--|--|--|
| Conductor                    | haracteristics (Over                                      | all)    |  |                 |                          |  |  |  |  |
| AWG:                         |   |         |  |                 |                          |  |  |  |  |
|                              | AWG Stranding Conduct                                     |         |  |                 |                          |  |  |  |  |
| 2                            | 22 7x30 TC - Tinn   | ed Cop  | oper .030  |                 |                          |  |  |  |  |
| Total Nu                     | mber of Conductors:                                       |         | 4  |                 |                          |  |  |  |  |
| Insulation                   |   |         |  |                 |                          |  |  |  |  |
| Insulation                   |   |         |  |                 |                          |  |  |  |  |
|                              | on MaterialDia. (in.)ypropylene0.050                      |         |  |                 |                          |  |  |  |  |
| Inner Shield                 |   |         |  |                 |                          |  |  |  |  |
|                              | Inner Shield Trade Name                                   | Type    | Inner Shield Material                              | Coverage (%)    |                          |  |  |  |  |
| -                            |   |         | Aluminum Foil-Polyester Tape                       |                 |                          |  |  |  |  |
| Layer 2                      |   | Таре    | Polyester Tape                                     | 100             |                          |  |  |  |  |
| Inner Shiel<br>AWG<br>24     | d Drain Wire AWG:   |         |  |                 |                          |  |  |  |  |
| Inner Sh                     | ield Drain Wire Stranding:                                |         | St   | anded           |                          |  |  |  |  |
| Inner Sh                     | ield Drain Wire Conductor                                 | Materi  | ial: T(  | - Tinned Copper |                          |  |  |  |  |
| Outer Shiel                  |   |         |  |                 |                          |  |  |  |  |
| Outer Shie                   |   |         |  | (01)            |                          |  |  |  |  |
| Beldfoil®                    | hield Trade Name Type O                                   |         | hield Material Covera<br>m Foil-Polyester Tape 100 | ge (%)          |                          |  |  |  |  |
|                              | Id Drain Wire AWG:  |         |  |                 |                          |  |  |  |  |
| AWG S                        | tranding Drain Wire Conductor<br>tranded TC - Tinned Copp |         | Material   |                 |                          |  |  |  |  |
| Outer Jacke<br>Outer Jack    |   |         |  |                 |                          |  |  |  |  |
|                              | acket Material Nom. Wall olyvinyl Chloride .028           | l Thick | mess (in.)   |                 |                          |  |  |  |  |
| Overall Cab                  | le  |         |  |                 |                          |  |  |  |  |
| Overall N                    | Nominal Diameter:   |         | 0.   | 0.215 in.       |                          |  |  |  |  |
| Pair                         |   |         |  |                 |                          |  |  |  |  |
|                              | Code Chart:   |         |  |                 |                          |  |  |  |  |
| Number                       | Black & Red   |         |  |                 |                          |  |  |  |  |
| 2                            | White & Green   |         |  |                 |                          |  |  |  |  |
| Mechanica                    | I Characteristics (Ov                                     | veral   | I)   |                 |                          |  |  |  |  |
|                              | g Temperature Range:                                      |         |  | )°C To +80°C    |                          |  |  |  |  |
| UL Temp                      | UL Temperature Rating:                                    |         |  |                 | 80°C (UL AWM Style 2717) |  |  |  |  |
| Bulk Cal                     | ble Weight:   |         |  | 28 lbs/1000 ft. |                          |  |  |  |  |
|                              | Max. Recommended Pulling Tension:                         |         |  |                 | 36.400 lbs.              |  |  |  |  |
|                              |   |         |  |                 |                          |  |  |  |  |
| Min. Bend Radius/Minor Axis: |   |         |  | 2.250 in.       |                          |  |  |  |  |

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| pplicable Specifications and Agency Compliance  | e (Overall)                |
|---|----------------------------|
| Applicable Standards & Environmental Programs   |                            |
| NEC/(UL) Specification:   | CM                         |
| NEC Articles:   | 800                        |
| CEC/C(UL) Specification:  | СМ                         |
| AWM Specification:  | UL Style 2717 (300 V 80°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                         |
| Nom. Inductance:<br>Inductance (µH/ft)<br>.18<br>Nom. Capacitance Conductor to Conductor:<br>Capacitance (pF/ft)<br>35<br>Nom. Capacitance Cond. to Other Conductor & Shield:<br>Capacitance (pF/ft)<br>62<br>Nominal Velocity of Propagation:<br>VP (%)<br>66<br>Nom. Conductor DC Resistance:<br>DCR @ 20°C (Ohm/1000 ft) |                            |
| 17<br>Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:<br>Max. Operating Voltage - UL:<br>Voltage  | 16.600 Ohm/1000 ft         |
| 300 V RMS (UL AWM Style 2717)         Max. Recommended Current:         Current         2.3 Amps per conductor @ 25°C   |                            |
| lotes (Overall)   |                            |

Notes: Each pair Beldfoil® shielded with individual drain wire plus a polyester film over each shield.

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc         |
|---------------|----------|-------------|--------|-------|-------------------|
| 8728 060U1000 | 1,000 FT | 30.000 LB   | CHROME |       | 2 #22 SHPR PP PVC |
| 8728 060U500  | 500 FT   | 15.500 LB   | CHROME |       | 2 #22 SHPR PP PVC |
| 8728 0601000  | 1,000 FT | 31.000 LB   | CHROME | С     | 2 #22 SHPR PP PVC |
| 8728 060500   | 500 FT   | 15.500 LB   | CHROME | С     | 2 #22 SHPR PP PVC |
| 8728 0605000  | 5,000 FT | 145.000 LB  | CHROME | С     | 2 #22 SHPR PP PVC |

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Notes: C = CRATE REEL PUT-UP.

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