



Product: [8723NH](#)

Audio, Control & Instrument, #22-2pr, PO, Individ. Foil, LSZH Jkt, Dca

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x28) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage),24 AWG stranded tinned copper drain wire, LSZH jacket, CPR Dca

Technical Specifications

Product Overview

|                        |                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

Construction Details

Conductor

| Size | Stranding | Material           |
|------|-----------|--------------------|
| 22   | 7x30      | TC - Tinned Copper |

Insulation

| Material           | Nom. Insulation Diameter | Color Code                 |
|--------------------|--------------------------|----------------------------|
| PP - Polypropylene | 1.17 mm (0.0461 in)      | Black & Red, Green & White |

Inner Shield

| Shield Type | Material                | Coverage | Drainwire Type   | Notes                                      |
|-------------|-------------------------|----------|------------------|--------------------------------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC | foil-out tape on each pair, one drain wire |

Outer Jacket

| Material                                        | Nom. Thickness     | Nom. Diameter      |
|-------------------------------------------------|--------------------|--------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.65 mm (0.026 in) | 4.55 mm (0.179 in) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 4.55 mm (0.179 in) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR            | Nom. Inner Shield DCR         | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current           |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------------------|-------------------------------|------------------------|
| 49.2 Ohm/km (15.0 Ohm/1000ft) | 54.5 Ohm/km (16.6 Ohm/1000ft) | 115 pF/m (35.1 pF/ft)         | 203 pF/m (61.9 pF/ft)                           | 45 Ohm                        | 2.3 Amps per Conductor |

Voltage

| Voltage Rating |
|----------------|
| 300 V          |

Mechanical Characteristics

Temperature

| Operating      | Installation   | Storage        |
|----------------|----------------|----------------|
| -45°C To +80°C | -15°C To +80°C | -45°C To +80°C |

Bend Radius

| Installation Min. |
|-------------------|
| 45.5 mm (1.79 in) |

|                    |                  |
|--------------------|------------------|
| Max. Pull Tension: | 226 N (50.8 lbf) |
| Bulk Cable Weight: | 24 lbs/1000ft    |

Standards and Compliance

|                                  |                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Euroclass Dca, Indoor, Non-Halogenated, Sunlight Resistance                                                                                                                                         |
| Flammability / Reaction to Fire: | IEC 60332-1-2, IEC 60332-3-24                                                                                                                                                                                |
| CPR Compliance:                  | CPR Euroclass: Dca-s2,d1,a1; CPR UKCA Class: Dca-s2,d1,a1                                                                                                                                                    |
| ISO/IEC Compliance:              | IEC 61034-2 - Smoke Density Min Transmittance = 60%                                                                                                                                                          |
| CENELEC Compliance:              | EN 50290-2-20                                                                                                                                                                                                |
| European Halogen Free Standards: | IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3 |
| European Directive Compliance:   | EU CE Mark                                                                                                                                                                                                   |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.338 Revision Date: 03-19-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length  | EAN           |
|---------------|--------|------------|---------|---------------|
| 8723NH.00152  | Chrome | Reel       | 152 m   | 8719605018717 |
| 8723NH.00305  | Chrome | Reel       | 305 m   | 8719605018724 |
| 8723NH.00500  | Chrome | Reel       | 500 m   | 8719605018731 |
| 8723NH.001000 | Chrome | Reel       | 1,000 m | 8719605018700 |
| 8723NH.01500  | Red    | Reel       | 500 m   | 8719605018748 |

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