



Product: [8762NH](#)

Electronic, 2 C #20 Str TC, PE ins, OS, LSNH Jkt, 300V

Request Sample

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PE Insulation, Overall Beldfoil® Shield, LSZH Outer Jacket

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           |
|------|-----------|--------------------|
| 20   | 7x28      | TC - Tinned Copper |

Insulation

| Material          | Nom. Thickness     | Nom. Insulation Diameter | Color Code    |
|-------------------|--------------------|--------------------------|---------------|
| PE - Polyethylene | 0.016 in (0.41 mm) | 1.78 mm (0.0701 in)      | Black & Clear |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 20 AWG (7x28) TC |

Outer Jacket

| Material                                        | Nom. Thickness    | Nom. Diameter    |
|-------------------------------------------------|-------------------|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.9 mm (0.035 in) | 5.4 mm (0.21 in) |

|                                   |                  |
|-----------------------------------|------------------|
| Overall Cable Diameter (Nominal): | 5.4 mm (0.21 in) |
|-----------------------------------|------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR            | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current           |
|-------------------------------|-------------------------------|-------------------------------------------------|-------------------------------|------------------------|------------------------|
| 31.2 Ohm/km (9.51 Ohm/1000ft) | 88.6 pF/m (27.0 pF/ft)        | 160.8 pF/m (49.01 pF/ft)                        | 56 Ohm                        | 66%                    | 3.9 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. |
|-------------------|
|-------------------|

|                    |                |
|--------------------|----------------|
| 54 mm (2.1 in)     |                |
| Max. Pull Tension: | 210 N (47 lbf) |
| Bulk Cable Weight: | 21 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-s1,d1,a1; CPR UKCA Class: Dca-s1,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, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)                                                                                                                    |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.355 Revision Date: 02-05-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length  | EAN           |
|---------------|--------|------------|---------|---------------|
| 8762NH.00152  | Chrome | Reel       | 152 m   | 8719605019127 |
| 8762NH.00305  | Chrome | Reel       | 305 m   | 8719605019134 |
| 8762NH.00500  | Chrome | Reel       | 500 m   | 8719605019141 |
| 8762NH.001000 | Chrome | Reel       | 1,000 m | 8719605019110 |
| 8762NH.01305  | White  | Reel       | 305 m   | 8719605197283 |
| 8762NH.01500  | White  | Reel       | 500 m   | 8719605161642 |
| 8762NH.011000 | White  | Reel       | 1,000 m | 8719605161673 |

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