



Product: [8760NH](#)

Electronic, 2 C #18 Str TC, PE Ins, OS, LSZH Jkt

Request Sample

Product Description

Electronic, 2 Conductor 18AWG (16x30) Tinned Copper, PO 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

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|------|-----------|--------------------|
| Pair(s) | 1 | 18 | 16x30 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|-------------------|----------------------|--------------------------|---------------|
| PE - Polyethylene | 0.0175 in (0.445 mm) | 0.082 in (2.1 mm) | Black & White |

Inner Shield

| Drainwire Type |
|------------------|
| 20 AWG (7x28) TC |

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) | 0.89 mm (0.035 in) | 6.0 mm (0.24 in) |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current |
|-----------------------------|-------------------------------|---|-------------------------------|--------------------------------|
| 7.2 Ohm/km (2.2 Ohm/1000ft) | 98 pF/m (30 pF/ft) | 144 pF/m (43.9 pF/ft) | 57 Ohm | 4.9 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 75°C | -20°C To +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 2.22 in (56.4 mm) | 2.22 in (56.4 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 41.6 lbs (18.9 kg) |
| Bulk Cable Weight: | 27 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 μ S/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), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.483 Revision Date: 09-07-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | EAN |
|---------------|--------|------------|---------|---------------|
| 8760NH.01500 | Black | Reel | 500 m | 8719605018915 |
| 8760NH.00152 | Chrome | Reel | 152 m | 8719605018885 |
| 8760NH.00305 | Chrome | Reel | 305 m | 8719605018892 |
| 8760NH.00500 | Chrome | Reel | 500 m | 8719605018908 |
| 8760NH.001000 | Chrome | Reel | 1,000 m | 8719605018878 |
| 8760NH.02500 | Orange | Reel | 500 m | 8719605187765 |

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