



Part Number: 8760NH

Electronic, 2 C #18 Str TC, PO 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

| | |
|------------------------|--|
| Environmental Space: | Indoor - Euroclass B2ca |
| Suitable Applications: | Instrumentation and computer cable; For data transmission applications |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors | No. of Pairs |
|-----|-----------|--------------------|-------------------|--------------|
| 18 | 16x30 | TC - Tinned Copper | 2 | 1 |

| | |
|------------------------|--------|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |
| Conductor Size: | 18 AWG |

Insulation

| Material | Nominal Diameter | Diameter +/- Tolerance |
|-------------------|------------------|------------------------|
| PE - Polyethylene | 2.08 mm | 0.05 mm |

Color Chart

| Number | Color |
|--------|---------------|
| Pair 1 | Black & Clear |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Thickness of Foil | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|-------------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | 9 / 12 µm | TC - Tinned Copper | 20 | 7x28 mm |

Outer Jacket Material

| Material | Color | Nominal Diameter | Nominal Wall Thickness |
|-----------------------------|-------------------|------------------|------------------------|
| LSZH / FRNC (UV stabilised) | Chrome (RAL 7037) | 6.0 mm | 0.89 mm |
| | | 6.0 mm | |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 21.3 Ohm/km |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 98 pF/m | 144 pF/m |

Inductance

| Nominal Inductance |
|--------------------|
| 0.591 µH/m |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 57 Ohm |

Current

| Element | Max. Recommended Current [A] |
|-----------|------------------------------|
| Conductor | 5.2 Amps per conductor @ 25C |

Voltage

| Voltage Rating [V] |
|--------------------|
| 300 V |

Temperature Range

| | |
|--|----------------|
| Operating Temp Range (Flexible Install): | -15°C To +80°C |
| Operating Temp Range (Fixed Install): | -45°C To +80°C |

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Oil Resistance: | IEC 60811-404 |
| Bulk Cable Weight: | 27 lbs/1000ft |
| Max Recommended Pulling Tension: | 280 N |
| Min Bend Radius/Minor Axis: | 60 mm |

Standards

| | |
|---------------------|---------------|
| CPR Euroclass: | B2ca-s1,d1,a1 |
| CENELEC Compliance: | EN 50290-2-27 |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-01-01 |

Suitability

| | |
|--------------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Non-Halogenated: | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--|----------------|
| ISO/IEC Flammability: | IEC 60332-3-24 |
| Amount of Halogen acc. to IEC 60754-1 & EN50267-1: | Zero |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Length |
|---------------|--------|---------|
| 8760NH.01500 | Black | 500 m |
| 8760NH.001000 | Chrome | 1,000 m |
| 8760NH.00152 | Chrome | 152 m |
| 8760NH.00305 | Chrome | 305 m |
| 8760NH.00500 | Chrome | 500 m |
| 8760NH.K01000 | Chrome | 1,000 m |
| 8760NH.K0500 | Chrome | 500 m |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

Revision Number:

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