



**Product:** [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 |

#### 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                |

### 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   |
| 8760NH.02500  | Orange | 500 m   |

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

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.382 Revision Date: 01-21-2020 |
|----------------------|--------------------------------------------------|

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