



Product: [8471NH](#)

Electronic, 2 C #16 Str TC, LSZH Ins, LSZH Jkt

Request Sample

Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, LSZH Insulation, 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 |
|------|-----------|--------------------|
| 16 | 19x29 | TC - Tinned Copper |

Insulation

| Material | Nom. Insulation Diameter | Color Code | Notes |
|---|--------------------------|---------------|-----------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 2.67 mm (0.105 in) | Black & White | Flame Retardant |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|---|--------------------|------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.89 mm (0.035 in) | 7.1 mm (0.28 in) |

| | |
|-----------------------------------|------------------|
| Overall Cable Diameter (Nominal): | 7.1 mm (0.28 in) |
|-----------------------------------|------------------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|-------------------------------|-------------------------------|------------------------|
| 14.7 Ohm/km (4.48 Ohm/1000ft) | 52 pF/m (16 pF/ft) | 7.1 Amps per Conductor |

Mechanical Characteristics

Temperature

| Operating | Installation | Storage |
|----------------|----------------|----------------|
| -20°C To +75°C | -15°C To +80°C | -45°C To +80°C |

Bend Radius

| Installation Min. |
|-------------------|
| 71 mm (2.8 in) |

| | |
|--------------------|------------------|
| Max. Pull Tension: | 127 N (28.6 lbf) |
| Bulk Cable Weight: | 32 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 50290-2-27 |
| 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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.322 Revision Date: 02-23-2023 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | EAN |
|---------------|--------|------------|---------|---------------|
| 8471NH.01500 | Blue | Reel | 500 m | 8719605018359 |
| 8471NH.00152 | Chrome | Reel | 152 m | 8719605018328 |
| 8471NH.00305 | Chrome | Reel | 305 m | 8719605018335 |
| 8471NH.00500 | Chrome | Reel | 500 m | 8719605018342 |
| 8471NH.001000 | Chrome | Reel | 1,000 m | 8719605018304 |
| 8471NH.001500 | Chrome | Reel | 1,500 m | 8719605018311 |
| 8471NH.021000 | Green | Reel | 1,000 m | 8719605148087 |
| 8471NH.03305 | White | Reel | 305 m | 8719605197290 |
| 8471NH.03500 | White | Reel | 500 m | 8719605161666 |
| 8471NH.031000 | White | Reel | 1,000 m | 8719605161680 |

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