

Part Number: 8720NH

Control Cable, 14 AWG, 19 x 27, 600V, LSNH



Product Description

14 AWG , 19 x 27, Stranded TC Conductors, 1 Pair, LSNH

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Environmental Space: | Indoor |
| Suitable Applications: | Audio, signal, control and instrumentation applications |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 14 | Stranded | TC - Tinned Copper | 1 |

| | |
|------------------|--------|
| Conductor Count: | 2 |
| Conductor Size: | 14 AWG |

Insulation

| Material | Nominal Diameter | Diameter +/- Tolerance |
|-----------------|------------------|------------------------|
| PO - Polyolefin | 3.55 mm | 0.8 mm |

Color Chart

| Number | Color |
|--------|-------|
| Wire 1 | Black |
| Wire 2 | Clear |

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG |
|------|-------|--------------------|---------------------|--------------|------------------------|---------------|
| Foil | 1 | Aluminum/Polyester | Beldfoil® (Z-Fold®) | 100 % | Stranded tinned copper | AWG 16/19 |

Outer Jacket Material

| Material | Color | Nominal Diameter | Nominal Wall Thickness |
|-------------|-------|------------------|------------------------|
| LSZH / FRNC | Grey | 9 mm | 0.9 mm |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 8.3 Ohm/km | 11.3 Ohm/km |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 78 pF/m | 154 pF/m |

| | |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 58 Ohm |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 9.5 A |

Temperature Range

| | |
|-----------------------|----------------|
| Storage Temp Range: | -30°C To +80°C |
| Operating Temp Range: | -30°C To +70°C |
| Other Temp Range: | -20-+80 °C |

Mechanical Characteristics

| | |
|---|-------|
| Min Bend Radius (W/o Pulling Strength): | 45 mm |
| Min Setting Radius: | 90 mm |

Standards

| | |
|---------------|--------------|
| UL AWM Style: | UL AWM 21310 |
|---------------|--------------|

Applicable Environmental and Other Programs

| | |
|---------------------------------------|------------|
| EU RoHS Compliance Date (yyyy-mm-dd): | 2014-11-14 |
|---------------------------------------|------------|

Suitability

| | |
|--------------------------------|-------------|
| Suitability - Non-Halogenated: | IEC 60754-2 |
|--------------------------------|-------------|

Flammability, LS0H, Toxicity Testing

| | |
|--|--------------------------|
| UL Flammability: | UL horizontal flame test |
| Amount of Halogen acc. to IEC 60754-1 & EN50267-1: | Zero |

Part Number

Variants

| Item # | Color |
|--------------|-------|
| 8720NH.00500 | Gray |

History

| | |
|------------------|---|
| Revision Number: | 1 |
|------------------|---|

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