



Part Number: 8461NH

GreenChoice, (1 pr) 18 AWG (7x26) TC, PP/LSZH, CMG

Product Description

One 18 AWG pair stranded (7x26) tinned copper conductors, twisted pairs, polypropylene insulation, low smoke zero-halogen jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Pairs |
|------------------------------------|-----------|--------------------|--------------|
| 18 | 7x26 | TC - Tinned Copper | 1 |
| Total Number of Conductors: | | | 2 |

Insulation:

| Material | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.016 in |

Color Chart 1:

| Number | Color |
|--------|---------------|
| 1 | Black & White |

Outersheild 1:

| Material |
|------------|
| Unshielded |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|-------------------------------|------------------|------------------------|
| LSZH - Low Smoke Zero Halogen | 0.21 in | 0.027 in |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 5.86 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor |
|---|
| 15.5 pF/ft |

Current:

| Max. Recommended Current [A] |
|-------------------------------|
| 4.8 Amps per conductor @ 20°C |

Voltage:

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

Use

| | |
|----------------------------------|--------|
| Suitability - Indoor: | Yes |
| Max Recommended Pulling Tension: | 45 lbs |

Safety

| | |
|--------------------------------|--------------------|
| C(UL) Flammability: | FT4 |
| UL Flammability: | UL1685 FT4 Loading |
| Suitability - Non-Halogenated: | Yes |

Temperature Range

| | |
|-----------------------|----------------|
| Operating Temp Range: | -20°C To +75°C |
| UL Temp Rating: | 75°C |

Mechanical Characteristics

| | |
|-----------------------------|----------|
| Min Bend Radius/Minor Axis: | 2.125 in |
|-----------------------------|----------|

Part Number

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

Standards

| | |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CEC/C(UL) Specification: | CEC/C(UL) Specification |
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
| NEC/(UL) Specification: | NEC/(UL) Specification |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | EU CE Mark |

History

Product Variants

| Part Number | Color | Put-Up Type | Length |
|----------------|--------|-------------|---------|
| 8461NH 0101000 | BLACK | Reel | 1000 ft |
| 8461NH 010500 | BLACK | Reel | 500 ft |
| 8761NH 060500 | CHROME | Reel | 500 ft |

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