



Part Number: 9161

Audio/Control/Instrumentation, (8 pr) 18 AWG (16x30)
TC, PVC/PVC, CMG

Product Description

Eight 18 AWG pairs stranded (16x30) tinned copper conductors, twisted pairs, PVC insulation, PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Pairs |
|------------------------------------|-----------|--------------------|--------------|
| 18 | 16x30 | TC - Tinned Copper | 8 |
| Total Number of Conductors: | | | 16 |

Insulation:

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.013 in |

Color Chart 1:

| Number | Color |
|--------|----------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |
| 4 | Black & Blue |
| 5 | Black & Yellow |
| 6 | Black & Brown |
| 7 | Black & Orange |
| 8 | Red & White |

Innershield:

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

Outershield 1:

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

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.485 in | 0.037 in |

Electrical Characteristics

Conductor DCR:

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

Capacitance:

| Nom. Capacitance Conductor to Conductor |
|---|
| 25.5 pF/ft |

Current:

| Max. Recommended Current [A] |
|-------------------------------|
| 3.4 Amps per conductor @ 20°C |

Voltage:

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

Use

| | |
|----------------------------------|---------|
| Max Recommended Pulling Tension: | 358 lbs |
|----------------------------------|---------|

Safety

| | |
|-------------------|--------------------|
| CSA Flammability: | FT4 |
| UL Flammability: | UL1685 FT4 Loading |

Temperature Range

| | |
|-----------------------|--------------------------|
| Non-UL Temp Rating: | 80°C (UL AWM Style 2464) |
| Operating Temp Range: | -20°C To +80°C |

Mechanical Characteristics

| | |
|-----------------------------|------|
| Min Bend Radius/Minor Axis: | 5 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 |
| UL AWM Style: | AWM 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 |
|--------------|--------|-------------|---------|
| 9161 0601000 | CHROME | Reel | 1000 ft |
| 9161 060100 | CHROME | Reel | 100 ft |

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