



Part Number: 8718

Single-Pair, (1 pr) 12 AWG (19x25) TC, PE/PVC, Foil Shld

Product Description

One 12 AWG pair stranded (19x25) TC conductors, twisted pair, polyethylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Pairs |
|-----------------------------|-----------|--------------------|--------------|
| 12 | 19x25 | TC - Tinned Copper | 1 |
| Total Number of Conductors: | | | 2 |

Insulation:

| Material | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.037 in |

Color Chart 1:

| Number | Color |
|--------|---------------|
| 1 | Black & Clear |

Outershield 1:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® (Z-Fold®) | 100 % | TC - Tinned Copper | 14 | Stranded mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.4 in | 0.034 in |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 1.6 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 25 pF/ft | 49 pF/ft |

Impedance:

| Nominal Characteristic Impedance |
|----------------------------------|
| 55 Ohm |

Current:

| Max. Recommended Current [A] |
|--------------------------------|
| 12.5 Amps per conductor @ 25°C |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.2 µH/ft |

Voltage:

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| UL AWM | 600 V RMS |
| CSA AWM | 300 V RMS |

Use

| | |
|----------------------------------|---------|
| Max Recommended Pulling Tension: | 225 lbs |
|----------------------------------|---------|

Safety

| | |
|-------------------|-------------------|
| CSA Flammability: | FT1 |
| UL Flammability: | UL1685 UL Loading |

Temperature Range

| | |
|-----------------------|---------------------------|
| Operating Temp Range: | -20°C To +80°C |
| UL Temp Rating: | 80°C (UL AWM Style 20253) |

Mechanical Characteristics

| | |
|-----------------------------|------|
| Min Bend Radius/Minor Axis: | 4 in |
|-----------------------------|------|

Part Number

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

Standards

| | |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
| NEC/(UL) Specification: | NEC/(UL) Specification |
| Other Specification: | Other 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 |
|--------------|--------|-------------|---------|
| 8718 0601000 | CHROME | Reel | 1000 ft |
| 8718 0602000 | CHROME | Reel | 2000 ft |
| 8718 0605000 | CHROME | Reel | 5000 ft |
| 8718 060500 | CHROME | Reel | 500 ft |
| 8718 060U500 | CHROME | UnReel | 500 ft |

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