



Part Number: 9464

Single-Pair Cable

Product Description

20 AWG stranded (7x28) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100%; coverage), 20 AWG stranded TC drain wire, PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Pairs |
|-----------------------------|-----------|--------------------|--------------|
| 20 | 7x28 | TC - Tinned Copper | 1 |
| Total Number of Conductors: | | | 2 |

Insulation:

| Material | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.016 in |

Color Chart 1:

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

Outersield 1:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | TC - Tinned Copper | 20 | 7x28 mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.214 in | 0.035 in |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 9.5 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 27 pF/ft | 49 pF/ft |

Impedance:

| Nominal Characteristic Impedance |
|----------------------------------|
| 56 Ohm |

Current:

| Max. Recommended Current [A] |
|---------------------------------|
| 3.9 Amps per conductor @ 20°C A |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.18 µH/ft |

Voltage:

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

Use

| | |
|----------------------------------|--------|
| Max Recommended Pulling Tension: | 46 lbs |
|----------------------------------|--------|

Safety

| | |
|------------------|-------------------|
| UL Flammability: | UL1685 UL Loading |
|------------------|-------------------|

Temperature Range

| | |
|-----------------------|--------------------------|
| Operating Temp Range: | -20°C To +60°C |
| UL Temp Rating: | 60°C (UL AWM Style 2092) |

Mechanical Characteristics

| | |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 2.25 in |
|-----------------------------|---------|

Part Number

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

Standards

| | |
|-----------------------------------|-------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| CEC/C(UL) Specification: | CM |
| MII Order #39 (China RoHS): | Yes |
| NEC/(UL) Specification: | CM |
| UL AWM Style: | UL Style 2092 (300V 60°C) |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |

History

| | |
|--------|---|
| Notes: | The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield. |
|--------|---|

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