



Part Number: 9802

Direct Burial Cable, 2 Conductors Cabled

Product Description

20 AWG solid TC conductors, conductors cabled, polypropylene insulation, overall Beldfoil® shield (100% coverage), 22 AWG solid TC drain wire, HDPE jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Conductors |
|------------------------------------|-----------|--------------------|-------------------|
| 20 | Solid | TC - Tinned Copper | 2 |
| Total Number of Conductors: | | | 2 |

Insulation:

| Material | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.013 in |

Color Chart 1:

| Number | Color |
|--------|-------|
| 1 | White |
| 2 | Black |

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 | 22 | Solid mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|----------------------------------|------------------|------------------------|
| HDPE - High Density Polyethylene | 0.19 mm | 0.035 mm |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 10.5 Ohm/km | 12 Ohm/km |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 31.6 pF/m | 42 pF/m |

Impedance:

| Nominal Characteristic Impedance |
|----------------------------------|
| 54 mOhm/ft |

Current:

| Max. Recommended Current [A] |
|-------------------------------|
| 3.9 Amps per conductor @ 25°C |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.18 μ H/m |

Voltage:

| Non-UL Voltage Rating |
|-----------------------|
| 350V RMS |

Use

| | |
|----------------------------------|----------|
| Max Recommended Pulling Tension: | 24.8 lbs |
|----------------------------------|----------|

Safety

Temperature Range

| | |
|-----------------------|----------------|
| Non-UL Temp Rating: | 80°C |
| Operating Temp Range: | -40°C To +80°C |

Mechanical Characteristics

| | |
|------------------------------------|------|
| Min Bend Radius/Minor Axis: | 2 in |
|------------------------------------|------|

Part Number

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

Standards

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

History

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