

## 9802 Multi-Conductor - Direct Burial Cable, 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	20	Solid	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.3302

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	Solid	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
HDPE - High Density Polyethylene	0.889

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White
2	Black

Overall Nominal Diameter: 4.826 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 26.788 Kg/Km

Max. Recommended Pulling Tension: 110.315 N

Min. Bend Radius/Minor Axis: 50.800 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

METRIC MEASUREMENT VERSION

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EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

54

#### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{m}$ )

0.59058

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

103.68

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

137.802

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

34.4505

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

39.372

#### Max. Operating Voltage - Non-UL:

Voltage

350 V RMS

#### Max. Recommended Current:

Current

3.9 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9802 0101000	1,000 FT	20.000 LB	BLACK	C	2 #20 PO FS PO
9802 010500	500 FT	10.500 LB	BLACK		2 #20 PO FS PO

#### Notes:

C = CRATE REEL PUT-UP.

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