

9890 Multi-Conductor - Direct Burial Cable



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 |
|--------------|-----|-----------|--------------------|
| 10 | 20 | Solid | TC - Tinned Copper |

Total Number of Conductors: 10

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene | .013 |

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 (in.) |
|----------------------------------|---------------------------|
| HDPE - High Density Polyethylene | .040 |

Overall Cable

Overall Cabling Color Code Chart:

| Color |
|--------|
| Black |
| White |
| Red |
| Green |
| Brown |
| Blue |
| Orange |
| Yellow |
| Purple |
| Gray |

Overall Nominal Diameter: 0.310 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|-----------------|
| Operating Temperature Range: | -40°C To +80°C |
| Bulk Cable Weight: | 60 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 124 lbs. |
| Min. Bend Radius/Minor Axis: | 3.250 in. |

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|------------------------------------|-----|
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |

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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

MIL Order #39 (China RoHS): Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

23

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

42

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11

Max. Operating Voltage - Non-UL:

Voltage

350 V RMS

Max. Recommended Current:

Current

2.7 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|-------|-------|-------------------|
| 9890 0101000 | 1,000 FT | 65.000 LB | BLACK | C | 10 #20 PP SHLD PE |
| 9890 010500 | 500 FT | 33.000 LB | BLACK | C | 10 #20 PP SHLD PE |

Notes:

C = CRATE REEL PUT-UP.

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