

## 9883 Multi-Conductor - Audio, Control, and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

20 AWG stranded (10x30) TC conductors, polypropylene insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, high-density polyethylene jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
3	20	10x30	TC - Tinned Copper

**Insulation****Insulation Material:**

Insulation Material
PP - Polypropylene

**Inner Shield****Inner Shield Material:**

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

**Inner Shield Drain Wire AWG:**

AWG
22

Inner Shield Drain Wire Stranding: 16x34

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
HDPE - High Density Polyethylene

**Overall Cable**

Overall Nominal Diameter: 0.340 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

**Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
1.750	6.850

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 48.900 lbs/1000 ft.

Max. Recommended Pulling Tension: 78 lbs.

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Min. Bend Radius (Install)/Minor Axis:	3.400 in.
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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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## Suitability

Suitability - Burial:	Yes
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

50

## Nom. Inductance:

Inductance (µH/ft)

.2

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

30

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

Capacitance (pF/ft)

55

## Nominal Velocity of Propagation:

VP (%)

66

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.8

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:	11.200 Ohm/1000 ft
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## Max. Operating Voltage - UL:

Voltage

350 V RMS

## Max. Recommended Current:

Current

2.7 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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## 9883 Multi-Conductor - Audio, Control, and Instrumentation Cable

9883 0101000	1,000 FT	57.000 LB	BLACK	C	3 SH PR #20 PP HDPE
9883 010500	500 FT	28.500 LB	BLACK		3 SH PR #20 PP HDPE

**Notes:**

C = CRATE REEL PUT-UP.

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