

9886 Multi-Conductor - Audio, Control, and Instrumentation Cable



For more Information
please call

1-800-Belden1



General 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
6	20	10x30	TC - Tinned Copper

Total Number of Conductors: 12

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.330

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	Nom. Wall Thickness (mm)
HDPE - High Density Polyethylene	1.143

Overall Cable

Overall Nominal Diameter: 11.557 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 144.355 Kg/Km

Max. Recommended Pulling Tension: 693.919 N

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Min. Bend Radius/Minor Axis:	120.650 mm
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

0.6562

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

180.455

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

35.4348

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 36.747 Ohm/km

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
9886 0101000	1,000 FT	105.000 LB	BLACK	C	6 SHLD PR #20 PP HDPE

METRIC MEASUREMENT VERSION

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9886 010500	500 FT	56.000 LB	BLACK	C	6 SHLD PR #20 PP HDPE
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Notes:

C = CRATE REEL PUT-UP.

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