

9686 Multi-Conductor - Audio, Control, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1

**Description:**

20 and 16 AWG stranded (7x28 and 19x28) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
3	20	7x28	TC - Tinned Copper
3	16	19x28	TC - Tinned Copper

Insulation**Insulation Material:**

Insulation Trade Name	Dia. (in.)	AWG
PVC - Polyvinyl Chloride	.012	20
PVC - Polyvinyl Chloride	.013	16

Insulation Resistance:

100 Mega Ohms/1000 ft. @ 500 V DC

Outer Shield**Outer Shield Material:**

Outer Shield Material
Unshielded

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

Overall Cable**Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (ft.)
6.0	2

Overall Cabling Color Code Chart:

Number	Color	AWG	Group/Cond. Color
1	20-Green	20	Green
2	Blue	20	Blue
3	Purple, 16-Black	20	Purple
1	Red	16	Black
2	Yellow	16	Red
3		16	Yellow

Overall Nominal Diameter:

0.295 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 63.100 lbs/1000 ft.

Max. Recommended Pulling Tension: 133.200 lbs.

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Min. Bend Radius (Install)/Minor Axis: 3 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification:	CM
NEC Articles:	800
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):	04/01/2005
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

Flame Test

UL Flame Test: UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

Description	Inductance (μH/ft)
20 AWG	.318
16 AWG	.195

Nom. Capacitance Conductor to Conductor:

Description	Freq. (MHz)	Capacitance (pF/ft)
20 AWG	1	20
16 AWG	1	30

Nom. Capacitance Cond. to Other Cond. & Ground:

Description	Capacitance (pF/ft)
20 AWG	36
16 AWG	54

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
20 AWG	10.25
16 AWG	4.07

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
3.2 Amps per conductor @ 25°C (20 AWG); 5.6 Amps per conductor @ 25°C (16 AWG)

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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