

## 9685 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**General Description:**

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, one pair Beldfoil® shielded (100% coverage), stranded tinned copper drain wire, PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
1	1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 3

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.356

**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: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

**Overall Cable**

Overall Nominal Diameter: 5.055 mm

**Pair**

Pair Color Code Chart:

Number	Color
1	Shielded: Black & White
2	Unshielded: Brown

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 90°C

Bulk Cable Weight: 34.229 Kg/Km

Max. Recommended Pulling Tension: 121.436 N

Min. Bend Radius/Minor Axis: 50.800 mm

## 9685 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

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

UL Flame Test:	UL1685 UL Loading
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## Plenum/Non-Plenum

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

## Nom. Inductance:

Inductance (μH/m)
0.3281

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
196.86

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

Capacitance (pF/m)
324.819

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
55.777

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Current
2.3 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9685 060U1000	1,000 FT	25.000 LB	CHROME		1#22 SHPR, 1#22 PVC PVC

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