

## 9990 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

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

AWG:

# Pairs	AWG	Stranding	Conductor Material
3	24	7x32	TC - Tinned Copper

**Insulation**

Insulation Material:

Insulation Material
PE - Polyethylene

**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
24

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.255 in.

**Pair**

Pair Color Code Chart:

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

Pair Lay Length & Direction:

Lay Length (in.)
1.750

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2919)

Bulk Cable Weight: 33 lbs/1000 ft.

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Min. Bend Radius (Install)/Minor Axis:	2.500 in.
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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
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):	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
MII Order #39 (China RoHS):	Yes

## 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. Characteristic Impedance:

Impedance (Ohm)

60

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

25

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

Capacitance (pF/ft)

47

## Nominal Velocity of Propagation:

VP (%)

66

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:	18 Ohm/1000 ft
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## Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 2919)

300 V RMS

## Max. Recommended Current:

Current

1.1 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

## 9990 Multi-Conductor - Audio, Control and Instrumentation Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9990 0601000	1,000 FT	36.000 LB	CHROME	C	3 FS PR #24 PE PVC
9990 060500	500 FT	16.000 LB	CHROME	C	3 FS PR #24 PE PVC

**Notes:**

C = CRATE REEL PUT-UP.

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