

## 8732 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### Description:

Combination, 22 AWG stranded (7x30) TC conductors, polyethylene insulation, conductors cabled, TC braid shield over one pair (62% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.508

#### Inner Shield

##### Inner Shield Material:

Layer #	Type	Inner Shield Material	Coverage (%)
1st Pair	Braid	TC - Tinned Copper	62
2nd Pair	Unshielded		

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.762

#### Overall Cable

Overall Nominal Diameter: 5.232 x 8432.800 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black, Clear
2	Black, Clear

##### Pair Lay Length & Direction:

Lay Length (mm)
38.1

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C (UL AWM Style 2094)

Bulk Cable Weight: 51.938 Kg/Km

Max. Recommended Pulling Tension: 262.444 N

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Min. Bend Radius/Minor Axis:	50.800 mm
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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2094 (300 V 60°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:

Description	Impedance (Ohm)
Shielded pair	74

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
37 (shielded pair only)

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

Capacitance (pF/m)
68.901

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
50.5274

#### Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
10.8

#### Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2094)

#### Max. Recommended Current:

Current
2.3 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8732 0601000	305 MT	18.144 KG	CHROME	C	1#22 SH PR,2#22 FRPE PVC

#### Notes:

C = CRATE REEL PUT-UP.

## 8732 Multi-Conductor - Audio, Control and Instrumentation Cable

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