

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

### 9744 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



#### General Description:

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pairs, 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)
PVC - Polyvinyl Chloride	0.279

##### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

##### Outer Jacket

Outer Jacket Material:

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

##### Overall Cable

Overall Nominal Diameter:

5.918 mm

##### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

#### Mechanical Characteristics (Overall)

Operating Temperature Range:

-20°C To +80°C

Non-UL Temperature Rating:

80°C (UL AWM Style 2576)

Bulk Cable Weight:

35.717 Kg/Km

Max. Recommended Pulling Tension:

160.135 N

Min. Bend Radius/Minor Axis:

63.500 mm

#### Applicable Specifications and Agency Compliance (Overall)

##### Applicable Standards & Environmental Programs

NEC/(UL) Specification:

CMG

CEC/C(UL) Specification:

CMG

AWM Specification:

UL Style 2576 (150 V 80°C)

EU Directive 2011/65/EU (RoHS II):

Yes

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

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CA Prop 65 (CJ for Wire & Cable):

Yes

MII Order #39 (China RoHS):

Yes

#### Flame Test

UL Flame Test:

UL1685 FT4 Loading

CSA Flame Test:

FT4

#### Plenum/Non-Plenum

Plenum (Y/N):

No

#### Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

83.6655

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

48.2307

Max. Operating Voltage - UL:

Voltage	Description
150 V RMS	UL AWM Style 2576
300 V RMS	CMG

Max. Recommended Current:

Current

2.2 Amps per conductor @ 20°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9744 060U1000	1,000 FT	26.000 LB	CHROME		2 PR #22 PVC PVC
9744 060U500	500 FT	13.500 LB	CHROME		2 PR #22 PVC PVC
9744 0601000	1,000 FT	27.000 LB	CHROME	C	2 PR #22 PVC PVC
9744 060500	500 FT	14.000 LB	CHROME	C	2 PR #22 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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