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1-800-Belden1



### General Description:

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (85% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.524

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	85

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 4.572 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2095)
Bulk Cable Weight:	26.788 Kg/Km
Max. Recommended Pulling Tension:	88.964 N
Min. Bend Radius/Minor Axis:	44.450 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2095 (300 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

## METRIC MEASUREMENT VERSION

## 8737 Multi-Conductor - Single-Pair Cable

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

### Flame Test

CSA Flame Test: FT4

### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

49

### Nom. Inductance:

Inductance (µH/m)

0.55777

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

131.24

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

Capacitance (pF/m)

229.67

### Nominal Velocity of Propagation:

VP (%)

66

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

52.496

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

38.3877

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

3 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8737 060U1000	1,000 FT	20.000 LB	CHROME		1 PR#22 PVC SHLD PVC
8737 060U500	500 FT	10.500 LB	CHROME		2 #22 PVC SHLD PVC
8737 060I000	1,000 FT	20.000 LB	CHROME	C	1 PR#22 PVC SHLD PVC
8737 060500	500 FT	10.000 LB	CHROME		1 PR#22 PVC SHLD PVC
8737 0605000	5,000 FT	100.000 LB	CHROME	C	1 PR #22 PVC SHLD PVC

### Notes:

C = CRATE REEL PUT-UP.

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