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1-800-Belden1



### 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

#### 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 Cabling

Overall Nominal Diameter: 4.572 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
36.575856	27.331

### 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 (Install)/Minor Axis:	43.180 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 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

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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8737 060U1000	305 MT	9.072 KG	CHROME		1 PR#22 PVC SHLD PVC
8737 060U500	152 MT	4.763 KG	CHROME		2 #22 PVC SHLD PVC

## METRIC MEASUREMENT VERSION

### 8737 Multi-Conductor - Single-Pair Cable

8737 0601000	305 MT	9.072 KG	CHROME	C	1 PR#22 PVC SHLD PVC
8737 060500	152 MT	4.536 KG	CHROME		1 PR#22 PVC SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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