



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG triads stranded (7x30) tinned copper conductors, twisted triads, PVC insulation, unshielded, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Triads	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 3

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.5748

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black & White & Red

Overall Nominal Diameter: 5.283 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Max. Recommended Pulling Tension: 128.998 N

Min. Bend Radius/Minor Axis: 50.800 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, ITC-ER, PLTC-ER

CEC/C(UL) Specification: CMG

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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flame Test

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Surface Printing (Overall)

Surface Printing: LEGEND: BELDEN 9491 E34972 1TRD22 (UL) CMG 105C OR PLTC OR ITC  
SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE  
1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)  
0.68901

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
85.306

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
49.215

#### Max. Operating Voltage - UL:

Voltage  
300 V RMS

#### Max. Recommended Current:

Current  
3.8 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9491 060U1000	1,000 FT	23.000 LB	CHROME		3 #22 PVC PVC
9491 060U500	500 FT	12.500 LB	CHROME		3 #22 PVC PVC
9491 0602500	2,500 FT	57.500 LB	CHROME	Z	3 #22 PVC PVC

#### Notes:

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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