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1-800-Belden1



## Description:

16 AWG triads stranded (19x29) tinned copper conductors, twisted triads, unshielded, PVC insulation, PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Triads	AWG	Stranding	Conductor Material
1	16	19x29	TC - Tinned Copper

Total Number of Conductors: 3

### Insulation

#### Insulation Material:

Insulation Material
F-R PVC - Flame Retardant Polyvinyl Chloride

Insulation Resistance: 2000 Megaohms/1000 ft.

### Inner Shield

#### Inner Shield Color Code Chart:

Number	Color
1	Black & Red & White and Numbered

### Outer Shield

#### Outer Shield Material:

Outer Shield Material
Unshielded

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
F-R PVC - Flame Retardant Polyvinyl Chloride	0.9398

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 6.807 mm

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 72.178 Kg/Km

Max. Recommended Pulling Tension: 467.061 N

Min. Bend Radius/Minor Axis: 69.850 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 105°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

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
ICEA Flame Test:	T-29-520

### Suitability

Sunlight Resistance:	Yes
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### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/m)
0.45934

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
95.149

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
12.1397

### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Max. Operating Voltage - Other:

Voltage	Description
20 kV	Nom. breakdown voltage between conductors

### Max. Recommended Current:

Current
12 Amps per conductor @ 25°C

## Notes (Overall)

**Notes:** Alternate color coding available upon request.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9494 060U1000	305 MT	21.773 KG	CHROME		3 #16 PVC PVC
9494 060U500	152 MT	11.113 KG	CHROME		3 #16 PVC PVC
9494 0602500	762 MT	56.699 KG	CHROME		3 #16 PVC PVC

Revision Number: 1    Revision Date: 09-16-2008

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