



For more Information  
please call

1-800-Belden1



## General 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
PVC - Polyvinyl Chloride

### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.037

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 0.272 in.

### Pair

Pair Color Code Chart:

Color
Black & Red & White

## Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 48.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 105 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 105°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

## 9494 Triad - 300V Power-Limited Tray Cable

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

### Suitability

Suitability - Burial: Yes

Sunlight Resistance: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

### Surface Printing (Overall)

Surface Printing: LEGEND: BELDEN 9494 E34972 1TRD16 (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/ft)

.14

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

29

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.7

#### 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	1,000 FT	49.000 LB	CHROME		3 #16 PVC PVC
9494 060U500	500 FT	24.500 LB	CHROME		3 #16 PVC PVC
9494 0602500	2,500 FT	125.000 LB	CHROME	Z	3 #16 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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