

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9494 Triad - 300V Power-Limited Tray Cable



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 (mm)
PVC - Polyvinyl Chloride	0.940

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Nominal Diameter:

6.807 mm

Pair

Pair Color Code Chart:

Color
Black & Red & White

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:

CMG, ITC, PLTC

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

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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)

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	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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