

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

BELDEN
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9494 Triad - 300V Power-Limited Tray Cable



For more Information
please call

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

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 Cabling

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 (Install)/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

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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 (μ H/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.

Related Documents:

No related documents are available for this product

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

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