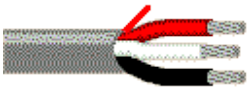
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9493 Triad - 300V Power-Limited Tray Cable



For more Information
please call

1-800-Belden1

Description:

18 AWG triads stranded (19x30) tinned copper conductors, twisted triads, PVC insulation, unshielded, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Triads	AWG	Stranding	Conductor Material
1	18	19x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Insulation Resistance:	2500 MegaOhms @ 500 Volts DC/1000 ft.

Inner Shield

Inner Shield Color Code Chart:

Number	Color
1	Black & White & Red

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Outer Jacket Ripcord:	Yes

Overall Cabling

Overall Nominal Diameter:	6.147 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	53.426 Kg/Km
Max. Recommended Pulling Tension:	275.788 N
Min. Bend Radius (Install)/Minor Axis:	57.150 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 80°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

CSA Flame Test:	FT4
IEEE Flame Test:	1202
ICEA Flame Test:	T-29-520

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)
0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
104.336

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.5548

Max. Operating Voltage - UL:

Voltage	Description
20,000 V RMS	Breakdown between conductors (Short Term)

Max. Recommended Current:

Current
9 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9493 060U1000	305 MT	17.237 KG	CHROME		3 #18 PVC PVC
9493 060U500	152 MT	9.072 KG	CHROME		3 #18 PVC PVC
9493 0602500	762 MT	44.225 KG	CHROME		3 #18 PVC PVC

Revision Number: 1 Revision Date: 05-14-2007

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