



For more Information
please call

1-800-Belden1



General 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

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Insulation 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 Cable

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: 173.480 N

Min. Bend Radius/Minor Axis: 60.960 mm

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 80°C)

EU Directive 2011/65/EU (ROHS II): Yes

9493 Triad - 300V Power-Limited Tray Cable

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 UL Loading

CSA Flame Test: FT4

IEEE Flame Test: 1202

Suitability

Suitability - Burial: Yes

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Surface Printing (Overall)

Surface Printing: LEGEND: BELDEN 9493 E34972 1TRD18 (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/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
300 V RMS	PLTC, CMG
150 V RMS	ITC

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9493 060U1000	1,000 FT	42.000 LB	CHROME		3 #18 PVC PVC
9493 060U500	500 FT	22.000 LB	CHROME		3 #18 PVC PVC
9493 0602500	2,500 FT	110.000 LB	CHROME	Z	3 #18 PVC PVC
9493 0605000	5,000 FT	215.000 LB	CHROME	Z	3 #18 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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