

# Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



## 9491 Triad - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1



### Description:

22 AWG triads stranded (7x30) tinned copper conductors, twisted triads, PVC insulation, unshielded, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Triads	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 3

#### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PVC - Polyvinyl Chloride	1.5748

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black & White & Red

Overall Nominal Diameter: 5.283 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Max. Recommended Pulling Tension: 128.998 N

Min. Bend Radius/Minor Axis: 50.800 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: PLTC, ITC, CMG

CEC/C(UL) Specification: CMG

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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### 9491 Triad - 300V Power-Limited Tray Cable

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

C(UL) Flame Test: FT4

IEEE Flame Test: 1202

ICEA Flame Test: T-29-520

#### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Burial: Yes

Sunlight Resistance: Yes

#### Plenum/Non-Plenum

Plenum (Y/N): No

### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)

0.68901

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

85.306

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

3.8 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9491 060U1000	305 MT	10.433 KG	CHROME		3 #22 PVC PVC
9491 060U500	152 MT	5.670 KG	CHROME		3 #22 PVC PVC
9491 0602500	762 MT	26.082 KG	CHROME		3 #22 PVC PVC

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