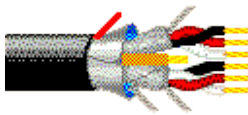


## 1092A Triad - 300V Power-Limited Tray Cable

For more Information  
please call

1-800-Belden1



### General Description:

20 AWG triads stranded (7x28) bare copper conductors, twisted triads, PVC insulation, individually shielded plus an overall Beldfoil shield (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	# Triads	AWG	Stranding	Conductor Material
1	16	20	7x28	BC - Bare Copper

Total Number of Conductors: 49

#### Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

#### Communication Wire

Communication Wire AWG: 22

Communication Wire Material: BC - Bare Copper

Communication Wire Stranding: 7x30

#### Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
22

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Shield Color Code Chart:

Number	Color
1	Black & White & Red and Numbered 1
2	Black & White & Red and Numbered 2
3	Black & White & Red and Numbered 3
4	Black & White & Red and Numbered 4
5	Black & White & Red and Numbered 5
6	Black & White & Red and Numbered 6
7	Black & White & Red and Numbered 7
8	Black & White & Red and Numbered 8
9	Black & White & Red and Numbered 9
10	Black & White & Red and Numbered 10
11	Black & White & Red and Numbered 11
12	Black & White & Red and Numbered 12
13	Black & White & Red and Numbered 13
14	Black & White & Red and Numbered 14
15	Black & White & Red and Numbered 15

16	Black & White & Red and Numbered 16
Communication Wire	Orange

### Outer Shield

#### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

#### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.6256

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 20.041 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 599.745 Kg/Km

Max. Recommended Pulling Tension: 3740.940 N

Min. Bend Radius/Minor Axis: 200.660 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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

CEC/C(UL) Specification: CMG

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

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

#### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Burial: Yes

Sunlight Resistance: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Surface Printing (Overall)

Surface Printing: LEGEND: BELDEN 1092A E34972 16PR20 1C22 SHIELDED (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)  
0.62339

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)  
180.455

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
98.43

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
31.1695

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
52.496

### Max. Operating Voltage - UL:

Voltage  
300 V RMS

### Max. Recommended Current:

Current  
3 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1092A 0101000	1,000 FT	488.000 LB	BLACK		16 #20 SH TRIADS FS PVC
1092A 0102500	2,500 FT	1,175.000 LB	BLACK		16 #20 SH TRIADS FS PVC
1092A 0103000	3,000 FT	1,386.000 LB	BLACK		16 #20 SH TRIADS FS PVC

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