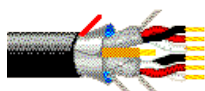


1085A Triad - 300V Power-Limited Tray Cable



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	12	20	7x28	BC - Bare Copper

Total Number of Conductors: 37

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
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:

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Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.064

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.714 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 319 lbs/1000 ft.

Max. Recommended Pulling Tension: 636 lbs.

Min. Bend Radius/Minor Axis: 7.150 in.

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)**Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (μH/ft)
 .19

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
 55

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
 30

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
 9.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
 26

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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
1085A 0105000	5,000 FT	1,790.000 LB	BLACK	C Z	12 SH TRP #20 +1 #22 PVC FSPVC

Notes:

C = CRATE REEL PUT-UP.

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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