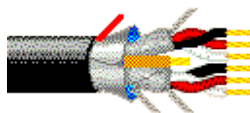


1084A Triad - 300V Power-Limited Tray Cable



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	8	20	7x28	BC - Bare Copper

Total Number of Conductors: 25

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:

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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: 16.281 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	319.963 Kg/Km
Max. Recommended Pulling Tension:	1921.622 N
Min. Bend Radius/Minor Axis:	162.814 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
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Surface Printing (Overall)

1084A Triad - 300V Power-Limited Tray Cable**Surface Printing:**

LEGEND: BELDEN 1084A E34972 8TRD20 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)**

62.339

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
1084A 0107500	7,500 FT	1,927.500 LB	BLACK	C Z	8 SH TRP #20 +1 #22 PVC FS PVC

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.

Revision Number: 3 Revision Date: 12-02-2016

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