



Description:

16 AWG triads stranded (7x24) bare copper conductors, twisted triads, overall Beldfoil shield (100% coverage), PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Triads	AWG	Stranding	Conductor Material
1	1	16	7x24	BC - Bare Copper

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 Color Code Chart:

Number	Color
1	Black & Red & White and Numbered

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
18	7x26	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.037

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 0.271 in.

Pair

Pair Lay Length & Direction:

Twists/ft. (twist/ft)
6

Mechanical Characteristics (Overall)

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



1031A Triad - 300V Power-Limited Tray Cable

CORPELIMA

Bulk Cable Weight:	58.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	129 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.700 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 105°C)
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
CSA Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Sunlight Resistance:	Yes
-----------------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
----------------------	----

Surface Printing (Overall)

Surface Printing:	LEGEND: BELDEN 1031A E34972 1TRD16 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES 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/ft)

.156

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

54.1

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

97.3

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.7

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.9

Max. Operating Voltage - UL:

Voltage

300 V RMS



Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1031A 0061000	1,000 FT	57.000 LB	BLUE, LIGHT	C	3 #16 PVC FS PVC
1031A 00610000	10,000 FT	590.000 LB	BLUE, LIGHT	C	3 #16 PVC FS PVC
1031A 0101000	1,000 FT	58.000 LB	BLACK	C	3 #16 PVC FS PVC
1031A 01010000	10,000 FT	600.000 LB	BLACK	C Z	3 #16 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.