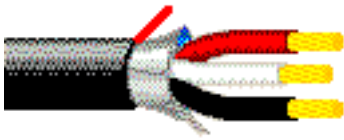


1031A**Triad - 300V Power-Limited Tray Cable**

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



[Click here for Certificate](#)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1031A 0061000	305 MT	25.855 KG	BLUE, LIGHT	C	3 #16 PVC FS PVC
1031A 00610000	3,048 MT	267.621 KG	BLUE, LIGHT	C	3 #16 PVC FS PVC
1031A 0101000	305 MT	26.308 KG	BLACK	C	3 #16 PVC FS PVC
1031A 01010000	3,048 MT	272.157 KG	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.

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 (mm)
PVC - Polyvinyl Chloride	0.940

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 6.883 mm

Pair**Pair Lay Length & Direction:**

Twists/ft. (twist/m)
6

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 86.762 Kg/Km

Max. Recommended Pulling Tension: 573.818 N

Min. Bend Radius (Install)/Minor Axis: 68.580 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards**

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 105°C)

EU CE Mark (Y/N): Yes

EU RoHS Compliant (Y/N): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

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 ($\mu\text{H/m}$)

0.511836

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

177.502

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

319.241

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

12.1397

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

16.0769

Max. Operating Voltage - UL:

Voltage

300 V RMS