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1-800-Belden1



General Description:

16 AWG triads stranded (7x24) bare copper conductors, twisted triads, individually shielded plus an overall Beldfoil shield (100% coverage), PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Triads	AWG	Stranding	Conductor Material
8	16	7x24	BC - Bare Copper

Total Number of Conductors: 24

Insulation

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

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
18

Inner Shield Drain Wire Stranding: 7x26

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

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
16	7x24	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.085

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)
9,900

Overall Nominal Diameter: 0.872 in.

Pair

Pair Lay Length & Direction:

Lay Length (in.)	Lay Length	Lay Length (in.)	Twists (twist/ft)
	4.0	3.0	4.0

Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	499.800 lbs/1000 ft.
Max. Recommended Pulling Tension:	1072 lbs.
Min. Bend Radius/Minor Axis:	8.700 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	NPLF, TC-ER
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
MIL Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-61-402

Flame Test

UL Flame Test:	UL1685 UL Loading
CSA 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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Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.67

Nom. Inner Shield DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
	4.99

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.84

Max. Operating Voltage - UL:

Voltage
600 V RMS (NEC Type TC)
150 V RMS (NPLF)

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

1098A Triad - 600V Tray Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1098A 0102000	2,000 FT	1,014.000 LB	BLACK	C Z	8 FS TRP #16 PVC/NYL FS PVC
1098A 0102500	2,500 FT	1,280.000 LB	BLACK	C Z	16/8 TR VNTC IS/OS 600V
1098A 0105000	5,000 FT	2,600.000 LB	BLACK		8 FS TRP #16 PVC/NYL FS PVC
1098A 0107500	7,500 FT	4,177.500 LB	BLACK		8 FS TRP #16 PVC/NYL 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.

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