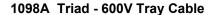
# **Detailed Specifications & Technical Data**

#### **METRIC MEASUREMENT VERSION**





For more Information please call

1-800-Belden1



# 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.

24

### **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Triads	AWG	Stranding	<b>Conductor Material</b>
8	16	7x24	BC - Bare Copper

Total Number of Conductors:

#### Insulation

#### **Insulation Material:**

li	nsulation Material
P	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:



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 numbered7
8	Black & White & Red and numbered8

### **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 (mm)
PVC - Polyvinyl Chloride	2.159

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# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



### 1098A Triad - 600V Tray Cable

Outer Jacket Ripcord: Yes

**Overall Cable** 

Overall Cabling Lay Length & Direction:

Length (mm) 251.45901

**Overall Nominal Diameter:** 22.149 mm

Pair

Pair Lay Length & Direction:

Lay Length (cm)	Lay Length	Lay Length (mm)	Twists (twist/m)
	13.124	76.2	4.0

Mechanical	<b>Characteristics</b>	(Overall)

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	743.802 Kg/Km
Max. Recommended Pulling Tension:	4768.470 N
Min. Bend Radius/Minor Axis:	220.980 mm

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

### **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	NPLF, TC
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
Other Specification:	ICEA S-73-532, S-61-402
me Test	
UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

### Flai

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

### **Electrical Characteristics (Overall)**

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 12.0413

Nom. Inner Shield DC Resistance:

## **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



1098A Triad - 600V Tray Cable

Description DCR @ 20°C (Ohm/km) 16.3722

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 9.31804

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:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1098A 0102000	610 MT	459.945 KG	BLACK	CZ	8 FS TRP #16 PVC/NYL FS PVC
1098A 0102500	762 MT	580.601 KG	BLACK	CZ	16/8 TR VNTC IS/OS 600V

#### Notes:

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 06-15-2011

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