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1-800-Belden1



**General Description:**

18 AWG triads stranded (7x26) bare copper conductors, twisted triads, PVC/Nylon insulation, individually shielded plus an overall Beldfoil shield (100% coverage), PVC jacket.

**Physical Characteristics (Overall)**

**Conductor**

AWG:

# Triads	AWG	Stranding	Conductor Material
4	18	7x26	BC - Bare Copper

Total Number of Conductors: 12

**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
20

Inner Shield Drain Wire Stranding: 7x28

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

**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	.063

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
6.970	1.72

Overall Cabling Color Code Chart:

Number	Color
1	Black printed #1
2	Black printed #2
3	Black printed #3
4	Black printed #4

Overall Nominal Diameter: 0.577 in.

**Pair**

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)
2.500	4.800

**Mechanical Characteristics (Overall)**

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	180.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	347 lbs.
Min. Bend Radius/Minor Axis:	6 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
MII Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-61-402

**Flame Test**

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

**Suitability**

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Shield:

Description	Capacitance (pF/ft)
Individual	43
Overall	30

Nom. Mutual Capacitance:

Capacitance (pF/ft)
37

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.86

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
7.11

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.47

Max. Operating Voltage - UL:

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

### Notes (Overall)

**Notes:** Triad groups are numbered for ease of identification. Alternate color coding available upon request.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1093A 0107500	7,500 FT	1,500.000 LB	BLACK	C Z	4 FS TRP #18 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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