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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
8	18	7x26	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
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
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
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)
9.110	1.32

Overall Cabling Color Code Chart:

Number	Color
1	Black printed #1

2	Black printed #2
3	Black printed #3
4	Black printed #4
5	Black printed #5
6	Black printed #6
7	Black printed #7
8	Black printed #8

Overall Nominal Diameter: 0.745 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:	311.500 lbs/1000 ft.
Max. Recommended Pulling Tension:	672 lbs.
Min. Bend Radius/Minor Axis:	7.500 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. 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)
4.22

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
1094A 0105000	5,000 FT	1,685.000 LB	BLACK	C Z	8 FS TRP #18 PVC/NYL FS PVC
1094A 0106000	6,000 FT	1,998.000 LB	BLACK		8 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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