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1-800-Belden1



General Description:

18 AWG triads stranded (7x26) bare copper conductors, twisted triads, PVC insulation, overall Beldfoil shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Triads	AWG	Stranding	Conductor Material
1	18	7x26	BC - Bare Copper

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.406

Insulation Color Code Chart:

Number	Color
1	Black & White & Red

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
20	7x28	TC	Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 6.375 mm

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 61.909 Kg/Km

Max. Recommended Pulling Tension: 173.480 N

Min. Bend Radius/Minor Axis: 62.230 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, ITC-ER, PLTC-ER

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°C)

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

METRIC MEASUREMENT VERSION

1036A Triad - 300V Power-Limited Tray Cable

EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

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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Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance ($\mu\text{H/m}$)
0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
164.05

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.227

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
16.6347

Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	PLTC, CMG
150 V RMS	ITC

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1036A 0061000	1,000 FT	40.000 LB	BLUE, LIGHT	C	3 #18 PVC FS PVC
1036A 00610000	10,000 FT	420.000 LB	BLUE, LIGHT	C	3 #18 PVC FS PVC
1036A 0065000	5,000 FT	200.000 LB	BLUE, LIGHT	C Z	3 #18 PVC FS PVC
1036A 0101000	1,000 FT	40.000 LB	BLACK	C	3 #18 PVC FS PVC
1036A 01010000	10,000 FT	430.000 LB	BLACK	C Z	3 #18 PVC FS PVC
1036A 0105000	5,000 FT	205.000 LB	BLACK	C Z	3 #18 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.

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