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1-800-Belden1



General Description:

16 AWG stranded (19x29) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 18 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	19x29	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	.032

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

Overall Cable

Overall Nominal Diameter: 0.313 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Pair Lay Length & Direction:

Lay Length (in.)	Twists (twist/ft)	Direction
2.750	4.400	Left Hand

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 20253)
Bulk Cable Weight:	44 lbs/1000 ft.
Max. Recommended Pulling Tension:	102 lbs.
Min. Bend Radius/Minor Axis:	3.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2, CM
NEC Articles:	800, 725
CEC/(UL) Specification:	CM
AWM Specification:	UL Style 20253 (600 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):	01/01/2004
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

Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

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

Nom. Characteristic Impedance:

Impedance (Ohm)

65

Nom. Inductance:

Inductance (µH/ft)

.2

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

23

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

44

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.5

Max. Operating Voltage - UL:

Voltage	Description
600 V RMS	UL AWM Style 20253
300 V RMS	UL type CM
150 V RMS	UL type CL2

Max. Recommended Current:

Description	Current
10C Temperature Rise	7 Amps per conductor @ 25°C Ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8719 060U1000	1,000 FT	46.000 LB	CHROME		2 #16 LDPE FS PVC
8719 060U500	500 FT	24.000 LB	CHROME		2 #16 LDPE FS PVC
8719 0601000	1,000 FT	49.000 LB	CHROME	C	2 #16 LDPE FS PVC
8719 06010000	10,000 FT	430.000 LB	CHROME	C Y	2 #16 LDPE FS PVC
8719 0602000	2,000 FT	96.000 LB	CHROME	C	2 #16 LDPE FS PVC
8719 060500	500 FT	25.500 LB	CHROME	C	2 #16 LDPE FS PVC
8719 0605000	5,000 FT	245.000 LB	CHROME	C	2 #16 LDPE FS PVC

Notes:

C = CRATE REEL PUT-UP.
 Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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8719 Multi-Conductor - Single-Pair Cable

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