Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



8719 Multi-Conductor - Single-Pair Cable

For more Information please call

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 (mm)
PE - Polyethylene	0.8128

Outer Shield

Outer Shield Material:

Outer Shield Trade Name Ty		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:

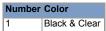
Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

Overall Cable

Overall Nominal Diameter: 7.950 mm

Pair

Pair Color Code Chart:



Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)	Direction
69.850	14.436	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:	65.481 Kg/Km	
Max. Recommended Pulling Tension:	453.716 N	
Min. Bend Radius/Minor Axis:	82.550 mm	

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Applicable Specifications and Agency Co	
Applicable Standards & Environmental Prog	
NEC/(UL) Specification:	CL2, CM
NEC Articles:	800, 725
CEC/C(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
Plenum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



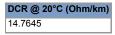
Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nom. Conductor DC Resistance:



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		

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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	С	2 #16 LDPE FS PVC
8719 06010000	10,000 FT	430.000 LB	CHROME	CY	2 #16 LDPE FS PVC
8719 0602000	2,000 FT	96.000 LB	CHROME	С	2 #16 LDPE FS PVC
8719 060500	500 FT	25.500 LB	CHROME	С	2 #16 LDPE FS PVC
8719 0605000	5,000 FT	245.000 LB	CHROME	С	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'.

Revision Number: 3 Revision Date: 08-02-2013

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