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1-800-Belden1



### 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

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.8128

#### 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 (mm)
PVC - Polyvinyl Chloride	0.8128

#### Overall Cabling

Overall Nominal Diameter: 7.950 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Clear

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
69.849725	14.436

### 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 (Install)/Minor Axis:	76.200 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 20253 (600 V 80°C)
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
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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/m)
0.6562

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
75.463

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
144.364

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
14.7645

### Max. Operating Voltage - UL:

Voltage
600 V RMS (UL AWM Style 20253); 150 V RMS

### Max. Recommended Current:

Current
7 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8719 060U1000	305 MT	20.865 KG	CHROME		2 #16 LDPE FS PVC
8719 060U500	152 MT	10.886 KG	CHROME		2 #16 LDPE FS PVC
8719 0601000	305 MT	22.226 KG	CHROME	C	2 #16 LDPE FS PVC
8719 06010000	3,048 MT	195.046 KG	CHROME	C Y	2 #16 LDPE FS PVC

## METRIC MEASUREMENT VERSION

### 8719 Multi-Conductor - Single-Pair Cable

8719 0602000	610 MT	43.545 KG	CHROME	C	2 #16 LDPE FS PVC
8719 060500	152 MT	11.567 KG	CHROME	C	2 #16 LDPE FS PVC
8719 0605000	1,524 MT	111.131 KG	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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