

## 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	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 Cable

Overall Nominal Diameter:

7.950 mm

## Pair

## Pair Color Code Chart:

Number	Color
1	Black & Clear

## Pair Lay Length &amp; 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

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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

## METRIC MEASUREMENT VERSION

## 8719 Multi-Conductor - Single-Pair Cable

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
MIL 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/m)

0.6562

## Nom. Capacitance Conductor to Conductor:

## Capacitance (pF/m)

75.463

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

## Capacitance (pF/m)

144.364

## Nom. Conductor DC Resistance:

## DCR @ 20°C (Ohm/km)

14.7645

## 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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