

Part Number: 8719

Single-Pair, (1 pr) 16 AWG (19x29) TC, PE/PVC, Foil Shld, CM

Product Description

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
16	19x29	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.032 in

Color Chart 1:

Number	Color
1	Black & Clear

Stranding:

Lay Length	Lay Direction	Twists
2.75 in	Left Hand	4.4 twist/ft

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	18	Stranded mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.313 in	0.032 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
4.5 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
23 pF/ft	44 pF/ft

Impedance:

Nominal Characteristic Impedance
65 Ohm

Current:

Element	Max. Recommended Current [A]
10C Temperature Rise	7 Amps per conductor @ 25°C Ambient

Inductance:

Nominal Inductance
0.2 μ H/ft

Voltage:

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

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	102 lbs

Safety

CSA Flammability:	FT1
UL Flammability:	UL1685 UL Loading

Temperature Range

Operating Temp Range:	-20°C To +80°C
UL Temp Rating:	80°C (UL AWM Style 20253)

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.25 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
8719 06010000	CHROME	Reel	10000 ft
8719 0601000	CHROME	Reel	1000 ft
8719 0602000	CHROME	Reel	2000 ft
8719 0605000	CHROME	Reel	5000 ft
8719 060500	CHROME	Reel	500 ft
8719 060U1000	CHROME	UnReel	1000 ft
8719 060U500	CHROME	UnReel	500 ft
8719.00U152	CHROME	UnReel	152 ft
8719.011525	CHROME	Reel	1525 ft
8719.01152	CHROME	Reel	152 ft
8719.01305	CHROME	Reel	305 ft

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.