



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.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
16	19x29	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.0315 in

Color Chart

Number	Color
1	Black & Clear

Outer Shield Material

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

Outer Jacket Material

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

Construction and Dimensions

Stranding

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

Cabling

Lay Length
2.75 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

Inductance

Nominal Inductance
0.2 µH/ft

Impedance

Nominal Characteristic Impedance
65 Ohm

Current

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

Voltage

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

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max Recommended Pulling Tension:	102 lbs
Min Bend Radius/Minor Axis:	3.25 in

Standards

NEC Articles:	800, 725
NEC/(UL) Specification:	CL2, CM
CEC/C(UL) Specification:	CM
UL AWM Style:	UL Style 20253 (600 V 80°C)
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2001-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color
8719.00U152	CHROME
8719.01152	CHROME
8719.011525	CHROME
8719.01305	CHROME
8719.013050	CHROME
8719.01610	CHROME
8719 0601000	CHROME
8719 06010000	CHROME
8719 0602000	CHROME
8719 060500	CHROME
8719 0605000	CHROME
8719 060U1000	CHROME
8719 060U500	CHROME

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