



Part Number: 8718

Single-Pair, (1 pr) 12 AWG (19x25) TC, PE/PVC, Foil Shld

Product Description

One 12 AWG pair stranded (19x25) 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
12	19x25	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.037 in

Color Chart 1:

Number	Color
1	Black & Clear

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	14	Stranded mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.4 in	0.034 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
1.6 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
25 pF/ft	49 pF/ft

Impedance:

Nominal Characteristic Impedance
55 Ohm

Current:

Max. Recommended Current [A]
12.5 Amps per conductor @ 25°C

Inductance:

Nominal Inductance
0.2 µH/ft

Voltage:

UL Description	UL Voltage Rating
UL AWM	600 V RMS
CSA AWM	300 V RMS

Use

Max Recommended Pulling Tension:	225 lbs
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Safety

CSA Flammability:	FT1
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UL Flammability:	UL1685 UL Loading
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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:	4 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)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
Other Specification:	Other 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
8718 0601000	CHROME	Reel	1000 ft
8718 0602000	CHROME	Reel	2000 ft
8718 0605000	CHROME	Reel	5000 ft
8718 060500	CHROME	Reel	500 ft
8718 060U500	CHROME	UnReel	500 ft

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