



**Part Number: 8718**

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

[Request Sample](#)

## Product Description

One 12 AWG pair stranded (19x25) 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
12	19x25	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	12 AWG

#### Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.037 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/Polyester	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	14	Stranded mm

#### Outer Jacket Material

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

Shielding:	Foil(s) or Copper Tape(s)
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#### Inductance

Nominal Inductance
0.2 µH/ft

#### Impedance

Nominal Characteristic Impedance
55 Ohm

#### Current

<b>Max. Recommended Current [A]</b>
12.5 Amps per conductor @ 25°C

#### Voltage

UL Description	UL Voltage Rating
UL AWM	600 V RMS
CSA AWM	300 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:	89 lbs/1000ft
Max Recommended Pulling Tension:	225 lbs
Min Bend Radius/Minor Axis:	4 in

#### Standards

NEC/(UL) Specification:	CL2
UL AWM Style:	UL Style 20253 (600 V 80°C)
CSA AWM Specification:	AWM II A
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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
UL voltage rating:	600 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	Footnote
8718 0601000	Chrome	C
8718 0602000	Chrome	C
8718 060500	Chrome	C
8718 0605000	Chrome	C Z
8718 060U500	Chrome	

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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