

Part Number: 8618

Electronic, 3 C #16 Str TC, PO Ins, OS, PVC Jkt, CL3

Request Sample

Product Description

Electronic, 3 Conductor 16AWG (19x29) Tinned Copper, PO Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CL3

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	3

Conductor Count:	3
Conductor Size:	16 AWG

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.0315 in

Color Chart

Number	Color
1	Black
2	Red
3	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	18	16x30 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.327 in	0.031 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	50 pF/ft

Current

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

Voltage

UL Description	UL Voltage Rating

AWM Style 2107	600 V RMS
CL3	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:	60 lbs/1000ft
Max Recommended Pulling Tension:	110 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CL3
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):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
8618 0601000	Chrome	C
8618 060500	Chrome	C
8618 0605000	Chrome	
8618 060U500	Chrome	

Footnote:	C - CRATE REEL PUT-UP.

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