



Product: [9390](#)

High Perform Instr, 9 Pr #18 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC-ER

Request Sample

Product Description

High Performance Instrumentation, 9 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Individual Beldfoil® Shield, PVC Outer Jacket, PLTC-ER

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
18	19x30	TC - Tinned Copper	9

Conductor Count:	18
Total Number of Pairs:	9

Insulation

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.078 in

Color Chart

Number	Color
1	Black & Red #1
2	Black & Red #2
3	Black & Red #3
4	Black & Red #4
5	Black & Red #5
6	Black & Red #6
7	Black & Red #7
8	Black & Red #8
9	Black & Red #9

Inner Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20	19x32

Outer Shield

Material
No Shield

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.649 in	0.063 in	Yes

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
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8.3 Ohm/1000ft	5.96 Ohm/1000ft
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Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
61 pF/ft	112 pF/ft

Inductance

Nominal Inductance
0.18 µH/ft

Current

Max. Recommended Current [A]
4.1 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS
150 V RMS (ITC)

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	266 lbs/1000ft
Max. Pull Tension:	666 lbs
Min. Bend Radius/Minor Axis:	6.5 in

Standards

NEC Articles:	Article 725, Article 727, Article 800
NEC/(UL) Compliance:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 2464

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading
IEEE Flammability:	IEEE 1202 FT4
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

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Variants

Item #	Color	UPC
9390 0601000	Chrome	612825239857
9390 060500	Chrome	612825239864

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.423 Revision Date: 10-07-2021
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