



**Product:** [9563](#)

High Perform Instr, 11 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

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**Product Description**

High Performance Instrumentation, 11 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC-ER

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
18	19x30	TC - Tinned Copper	11

Conductor Count:	22
Total Number of Pairs:	11

**Insulation**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.078 mm

**Color Chart**

Number	Color
1	Black & Red and Numbered 1
2	Black & Red and Numbered 2
3	Black & Red and Numbered 3
4	Black & Red and Numbered 4
5	Black & Red and Numbered 5
6	Black & Red and Numbered 6
7	Black & Red and Numbered 7
8	Black & Red and Numbered 8
9	Black & Red and Numbered 9
10	Black & Red and Numbered 10
11	Black & Red and Numbered 11

**Outer Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	18	7x26

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.665 in	0.063 in	Yes

**Construction and Dimensions**

**Cabling**

Lay Direction
Left-hand Lay

## Electrical Characteristics

### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
5.96 Ohm/1000ft	9 Ohm/1000ft

### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
35 pF/ft	54 pF/ft

### Inductance

Nominal Inductance
0.17 $\mu$ H/ft

### Current

Max. Recommended Current [A]
4.5 Amps per conductor @ 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:	230 lbs/1000ft
Max Recommended Pulling Tension:	478 lbs
Min Bend Radius/Minor Axis:	6.65 in

## Standards

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
UL AWM Style:	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 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):	2005-04-01
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 UL Loading
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

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

### Variants

Item #	Color	UPC
9563 0601000	Chrome	612825255987
9563 060500	Chrome	612825255994

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.322 Revision Date: 04-28-2020
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