



**Product:** [9527](#)

High Perform Instr, 27 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

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**Product Description**

High Performance Instrumentation, 27 Pair 22AWG (7x30) 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
22	7x30	TC - Tinned Copper	27

Conductor Count:	54
Total Number of Pairs:	27

**Insulation**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.062 in

**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
12	Black & Red and Numbered 12
13	Black & Red and Numbered 13
14	Black & Red and Numbered 14
15	Black & Red and Numbered 15
16	Black & Red and Numbered 16
17	Black & Red and Numbered 17
18	Black & Red and Numbered 18
19	Black & Red and Numbered 19
20	Black & Red and Numbered 20
21	Black & Red and Numbered 21
22	Black & Red and Numbered 22
23	Black & Red and Numbered 23
24	Black & Red and Numbered 24
25	Black & Red and Numbered 25
26	Black & Red and Numbered 26

**Outer Shield Material**

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	22	7x30

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.763 in	0.063 in	Yes

**Electrical Characteristics****Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
15 Ohm/1000ft	15 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	45 pF/ft

**Inductance**

Nominal Inductance
0.21 µH/ft

**Current**

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

**Voltage**

UL Voltage Rating
300 V RMS

**Temperature Range**

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

**Mechanical Characteristics**

Bulk Cable Weight:	280 lbs/1000ft
Max. Pull Tension:	500 lbs
Min Bend Radius/Minor Axis:	7.5 in

**Standards**

NEC/(UL) Compliance:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	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
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
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## Flammability, LSOH, 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
9527 0601000	Chrome	612825254997
9527 060500	Chrome	612825255000

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

## History

Update and Revision:	Revision Number: 0.333 Revision Date: 03-16-2021
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