



Part Number: 9527

300V PLTC, (27 pr) 22 AWG (7x30) TC, PVC/PVC, Foil Shld, CMG

Product Description

Twenty-seven 22 AWG pair stranded (7x30) tinned copper conductors, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

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
Total Number of Triads:	N/A
AWG Size:	22

Insulation

Material	Nominal Diameter
FR PVC - Flame Retardant 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
27	Black & Red and Numbered 27

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	7x30 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
F-R PVC - Flame Retardant 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 @ 25°C

Voltage

UL Voltage Rating
300V 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 Recommended Pulling Tension:	500 lbs
Min Bend Radius/Minor Axis:	7.5 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
CA Prop 65 (CJ for Wire & Cable):	Yes
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

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
9527 0601000	CHROME	C Z
9527 060500	CHROME	C

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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