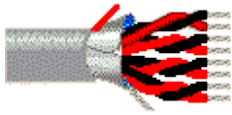


9527 Multi-Conductor - 300V Power-Limited Tray Cable

For more Information
please call

1-800-Belden1



General Description:

22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
27	22	7x30	TC - Tinned Copper

Total Number of Conductors: 54

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
F-R PVC - Flame Retardant Polyvinyl Chloride	1.5748

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
F-R PVC - Flame Retardant Polyvinyl Chloride	1.6002

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 19.380 mm

Pair

Pair Color Code Chart:

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

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15	Black & Red and Numbered
16	Black & Red and Numbered
17	Black & Red and Numbered
18	Black & Red and Numbered
19	Black & Red and Numbered
20	Black & Red and Numbered
21	Black & Red and Numbered
22	Black & Red and Numbered
23	Black & Red and Numbered
24	Black & Red and Numbered
25	Black & Red and Numbered
26	Black & Red and Numbered
27	Black & Red and Numbered

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	416.696 Kg/Km
Max. Recommended Pulling Tension:	2224.100 N
Min. Bend Radius/Minor Axis:	190.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)

Surface Printing:	LEGEND: BELDEN 9527 E34972 27PR22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL)
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.68901

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
85.306

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
147.645

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.4 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9527 0601000	1,000 FT	312.000 LB	CHROME	C Z	27 PR #22 PVC SHLD PVC
9527 060500	500 FT	152.000 LB	CHROME	C	27 PR #22 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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

Revision Number: 2 Revision Date: 10-23-2014

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