



**Part Number:** 9563  
300V Power-Limited Tray Cable

## Product Description

18 AWG pairs stranded (19x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
18	19x30	TC - Tinned Copper	11
<b>Total Number of Conductors:</b>			22

#### Insulation:

Material
PVC - Polyvinyl Chloride

#### Color Chart 1:

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

### Cabling 1:

Lay Direction
Left-hand Lay

### Outershield 1:

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	18	7x26 mm

### Outerjacket 1:

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

<b>Print Legend:</b>	BELDEN 9563 E34972 11PR18 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE 1202 (2 FT., 7 DIGIT SEQUENTIAL NUMBER) FEET
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## 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

### Current:

### Max. Recommended Current [A]

4.5 Amps per conductor @ 25°C A

### Inductance:

#### Nominal Inductance

0.17 µH/ft

### Voltage:

#### UL Voltage Rating

300V RMS (PLTC)

300 V RMS

150V RMS (ITC)

### Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	478 lbs

### Safety

C(UL) Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4 Loading

### Temperature Range

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

### Mechanical Characteristics

Min Bend Radius/Minor Axis:	6.65 in
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### Part Number

Plenum (Y/N):	No
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### Standards

<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>CEC/C(UL) Specification:</b>	CMG
<b>MII Order #39 (China RoHS):</b>	Yes
<b>NEC/(UL) Specification:</b>	PLTC^ITC^CMG
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)
<b>EU CE Mark:</b>	Yes

## History

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