



**Part Number:** 9565  
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	15
<b>Total Number of Conductors:</b>			30

#### 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
12	Black & Red and Numbered 12
13	Black & Red and Numbered 13
14	Black & Red and Numbered 14
15	Black & Red and Numbered 15

**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	0.739 mm	0.072 mm	Yes

<b>Print Legend:</b>	BELDEN 9565 E34972 15PR18 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 300V OR C(UL) CMG---- FT4 IEEE1202 (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/km	9 Ohm/km

**Capacitance:**

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

**Current:**

#### Max. Recommended Current [A]

4.5 Amps per conductor @ 25°C

#### Inductance:

##### Nominal Inductance

0.17 µH/m

#### Voltage:

##### UL Voltage Rating

300V RMS (PLTC

CMG)

150V RMS (ITC)

#### Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	640 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:	7.5 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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