



**Part Number:** 9318  
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	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in

#### Color Chart 1:

Number	Color
1	Black & Red

#### 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	20	19x32 mm

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.233 mm	0.037 mm	Yes

<b>Print Legend:</b>	LEGEND: BELDEN 9318 E34972 1PR18 SHIELDED (UL) CL3R 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V ----FT4 (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
54 pF/m	100 pF/m

### Current:

Max. Recommended Current [A]
5.5 Amps per conductor @ 25°C

### Inductance:

Nominal Inductance
0.17 µH/m

### Voltage:

UL Description	UL Voltage Rating
PLTC, CMG	300V RMS
ITC	150V RMS

## Use

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	Yes
<b>Suitability - Sunlight Resistance:</b>	Yes
<b>Max Recommended Pulling Tension:</b>	26 lbs

## Safety

<b>C(UL) Flammability:</b>	FT4
<b>IEEE Flammability:</b>	1202
<b>UL Flammability:</b>	UL1685 UL Loading

## Temperature Range

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

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.23 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMG
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMG^ITC^PLTC
UL AWM Style:	UL Style 2464 (300V 80°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

## History

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