



Part Number: 9559
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	9
Total Number of Conductors:			18

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

Cabling 1:

Lay Direction
Left-hand Lay

Outersheild 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	0.579 mm	0.053 mm	Yes

Print Legend:	LEGEND: BELDEN 9559 E34972 9PR18 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/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:

395 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:

5.8 in

Part Number

Plenum (Y/N):

No

Standards

CA Prop 65 (CJ for Wire & Cable):

Yes

CEC/C(UL) Specification:

CMG

MII Order #39 (China RoHS):

Yes

NEC/(UL) Specification:	PLTCAITC^CMG
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.