



Part Number: 9412

300V Power-Limited Tray Cable

Product Description

12 AWG pairs stranded (65x30) tinned copper conductors, twisted pairs, PVC insulation, unshielded, PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
12	65x30	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.143 mm

Color Chart 1:

Number	Color
1	Black & Red

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.37 mm	0.042 mm	Yes

Print Legend:

BELDEN 9412 E34972 1PR12 (UL) CL3R 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V- - - FT4 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
1.8 Ohm/km

Capacitance:

Nom. Capacitance Conductor to Conductor
25 pF/m

Current:

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

Inductance:

Nominal Inductance
0.18 µH/m

Voltage:

Description	UL Voltage Rating	Voltage Rating [V]
Nominal breakdown voltage between conductors	300V RMS	25 K V RMS

Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	197 lbs

Safety

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

Temperature Range

Operating Temp Range:	-30°C To +105°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.75 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
IEEE Specification:	1202
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	PLTC^ITC^CL3R
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

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