



Part Number: 1042A

600V Tray, (12 pr) 16 AWG (7x24) BC, PVC-NYL/PVC, Foil Shld, TC-ER

Product Description

Twelve 16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, PVC/Nylon insulation, individually shielded plus an overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
16	7x24	BC - Bare Copper	12
Total Number of Conductors:			24

Insulation:

Material
PVC/Nylon - Polyvinyl Chloride/Nylon

Color Chart 1:

Number	Color
1	Black&White and numbered 1
2	Black&White and numbered 2
3	Black&White and numbered 3
4	Black&White and numbered 4
5	Black&White and numbered 5
6	Black&White and numbered 6
7	Black&White and numbered 7
8	Black&White and numbered 8
9	Black&White and numbered 9
10	Black&White and numbered 10
11	Black&White and numbered 11
12	Black&White and numbered 12

Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	18	7x26 mm
				TC - Tinned Copper	

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	16	7x24 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.907 in	0.085 in	Yes

Electrical Characteristics

Conductor DCR:

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
5.07 Ohm/1000ft	4.2 Ohm/1000ft	3.14 Ohm/1000ft

Current:

Max. Recommended Current [A]
3.6 Amps per conductor @ 30C

Voltage:

UL Voltage Rating	
600 V RMS (NEC Type TC)	
150 V RMS (NPLF)	

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	483 lbs

Safety

CSA Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 Vertical Tray Flame Test

Temperature Range

Dry Temp Range:	-30°C To +90 °C
UL Temp Rating:	75°C Dry +90°C Wet
Wet Temp Range:	-30°C To +75 °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	9.1 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Alternate color coding available upon request.
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Product Variants

Part Number	Color	Put-Up Type	Length
1042A 0102500	BLACK	Reel	2500 ft
1042A 0105000	BLACK	Reel	5000 ft

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