



**Part Number:** 3103A

600V Tray, (1 pr) 12 AWG (7x20) BC, PVC-NYL/PVC, Foil Shld, TC

## Product Description

One 12 AWG pair stranded (7x20) bare copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
12	7x20	BC - Bare Copper	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Color Chart 1:

Number	Color
1	Black & White

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper

## Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.38 in	0.048 in	Yes

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
1.65 Ohm/1000ft	1.56 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
56 pF/ft	106 pF/ft

### Current:

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

### Voltage:

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

## Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	253 lbs

## Safety

CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL Flammability:	UL1685 UL Loading

## Temperature Range

Operating Temp Range:	-30°C To +90°C
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## Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.8 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)

## History

Notes:	Alternate color coding available upon request.
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