



**Part Number: 3089A**

600V Tray, (1 triad) 18 AWG (7x26) BC, PVC-NYL/PVC, Foil Shld, TC-ER

## Product Description

One 18 AWG triad stranded (7x26) bare copper conductors, twisted triads, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Triads
18	7x26	BC - Bare Copper	1

Conductor Count:	3
Total Number of Pairs:	N/A
Total Number of Triads:	1
AWG Size:	18

#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon	0.088 in

#### Color Chart

Number	Color
1	Red
2	White
3	Black

#### Color Chart 2

Number	Color
1	Black & White & Red

#### Outer Shield Material

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	7x28 mm

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.29 in	0.047 in	Yes

### Construction and Dimensions

#### Stranding

Lay Length	Twists
2.25 in	5.3 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
5.86 Ohm/1000ft	7.46 Ohm/1000ft

## Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield	Nom. Mutual Capacitance
47.3 pF/ft	84.2 pF/ft	47.3 pF/ft

## Inductance

Nominal Inductance
0.199 $\mu$ H/ft

## Voltage

UL Voltage Rating
600V RMS
150 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	44.6 lbs/1000ft
Max Recommended Pulling Tension:	81 lbs
Min Bend Radius/Minor Axis:	2.9 in

## Standards

NEC/(UL) Specification:	TC-ER, NPLF
Other Specification:	ICEA S-73-532, S-61-402

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202

## Part Number

Plenum (Y/N):	No
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## Variants

Item #	Color
3089A 01010000	BLACK

## Product Notes

Notes:	Alternate color coding available upon request.
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