



**Part Number: 27109A**

600V Tray, (2) 12 AWG (7x20) BC, PVC-NYL/PVC, TC

## Product Description

Two 12 AWG stranded (7x20) bare copper conductors, PVC/Nylon insulation, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
12	7x20	BC - Bare Copper	2

Conductor Count:	2
AWG Size:	12

#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon	0.134 in

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Material
Unshielded

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.234 x 0.372 in	0.048 in

### Construction and Dimensions

#### Stranding

Lay Length
N mm

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
1.65 Ohm/1000ft

#### Current

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

#### Voltage

UL Voltage Rating
600 V 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:	83 lbs/1000ft
Max Recommended Pulling Tension:	122 lbs
Min Bend Radius/Minor Axis:	3.75 in

## Standards

NEC/(UL) Specification:	TC, THHN, THWN, NPLF
Other Specification:	ICEA S-73-532, S-95-658, S-61-402

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	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 CE Mark:	Yes
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 - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LS0H, 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	Footnote
27109A 01010000	BLACK	C
27109A 0105000	BLACK	

Footnote:	C - CRATE REEL PUT-UP.
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## Product Notes

Notes:	Flat construction
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