



Part Number: 27122A

600V Tray, (15) 12 AWG (7x20) BC, PVC-NYL/PVC, TC

Product Description

Fifteen 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	15

Conductor Count:	15
Conductor Size:	12 AWG

Insulation

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

Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red
13	Blue/Red
14	Orange/Red
15	Yellow/Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.737 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

1.65 Ohm/1000ft

Current

Max. Recommended Current [A]

16 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 Dry

Mechanical Characteristics

Bulk Cable Weight:	468 lbs/1000ft
Max Recommended Pulling Tension:	911 lbs
Min Bend Radius/Minor Axis:	7.4 in

Standards

NEC/(UL) Specification:	NPLF, TC, THHN, THWN
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 - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
Other Flammability:	ICEA Flame Test: T-29-520
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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