



Product: [48641AZ](#)

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

Product Description

Two 12 AWG stranded (7x20) bare copper conductors plus insulated bare copper ground, PVC-Nylon insulation, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	Power and Control Applications up to 600V
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Triad(s)	1	12 AWG	7x20	BC - Bare Copper

Insulation

Element	Separator	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	Triad(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in (0.53 mm)	0.134 in (3.40 mm)	Black,White and Green

Inner Shield

Shield Type
No Shield

Outer Shield

Shield Type
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.382 in	Yes

Overall Cable Diameter (Nominal):	0.382 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
1.68 Ohm/1000ft	24 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
600 V (TC-ER), 150 V (NPLF)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	Wet/Dry: -30°C to 90°C

Bend Radius

Stationary Min.	Installation Min.
1.528 in (38.81 mm)	1.91 in

Max. Pull Tension:	260 lbs (120 kg)
Bulk Cable Weight:	104 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, NPLF, TC-ER, THWN-2
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.137 Revision Date: 05-31-2024
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