



Product: [27112AS](#)

TC VN/PVC, 5 C #12 Str BC, PVC-NYL Ins E2, OS, Blk PVC Jkt, 600V TC
150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Product Description

UL Type TC (1277) PVC-Nylon/PVC, 5 Conductor 12AWG (7x20) Bare Copper, PVC-NYL Insulation E2 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
12	7x20	BC - Bare Copper	5

Conductor Count:	5
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Insulation

Material
PVC/Nylon - Polyvinyl Chloride + Nylon

Color Chart

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	12

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	.455"	.047 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.65 Ohm/1000ft

Current

Max. Recommended Current [A]
16 Amps per Conductor at 25°C

Voltage

Non-UL Description	Non-UL Voltage Rating	UL Description	UL Voltage Rating	Voltage Rating [V]
TC	600 V RMS	TC	600 V RMS (Type TC)	600 V RMS (Type TC)

NPLF	150 V RMS		
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Temperature Range

Operating Temp Range:	-30°C To +75°C Wet/90°C Dry
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Mechanical Characteristics

Bulk Cable Weight:	176 lbs/1000ft
Max. Pull Tension:	304 lbs
Min Bend Radius/Minor Axis:	4.500 in

Standards

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

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Putup Type	UPC
27112AS 0105000	Reel	612825326779
27112AS 0105000	Reel	612825326779

History

Update and Revision:	Revision Number: 0.71 Revision Date: 09-30-2020
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