



Product: [61P1812](#)

Inst, 12 Pr #18 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry 75C Wet

Product Description

UL Instrumentation, 12 Pair 18AWG (7x26) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, TC-ER NPLF 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
18	7x26	BC - Bare Copper	12

Total Number of Pairs:	12
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride + Nylon	0.088 in	0.021 in

Color Chart

Number	Color
Pairs 1 - 12	ICEA S-73-732 Table E1: Black & White and Numbered

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.714 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
5.86 Ohm/1000ft	4.47 Ohm/1000ft

Current

Max. Recommended Current [A]
2.7 Amps per Conductor at 30°C

Voltage

UL Description	UL Voltage Rating
TC	
NPLF	150 V RMS (Type NPLF)

Temperature Range

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

Bulk Cable Weight:	269 lbs/1000ft
Max. Pull Tension:	311 lbs
Min Bend Radius/Minor Axis:	7.2 in

Standards

NEC/(UL) Compliance:	NPLF, TC-ER, UL 1277
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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
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

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
UL voltage rating:	600 V RMS (Type TC)

Part Number

Variants

Item #	Putup Type	UPC
61P1812 0105000	Reel	612825363484

Product Notes

Notes:	Alternate color coding available upon request.
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History

Update and Revision:	Revision Number: 0.27 Revision Date: 10-20-2020
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