



**Product:** [62P1812](#)

Inst, 12 Pr #18 Str BC, PVC-NYL Ins E1, IS/OS, Bk 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, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, TC-ER NPLF 90C Dry 75C Wet SUN RES DIR BUR

## Technical Specifications

### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	12	18 AWG	7x26	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.088 in (2.2 mm)	Black & White and numbered

#### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC/Nylon - Polyvinyl Chloride + Nylon	0.063 in (1.6 mm)	0.802 in	Yes

Overall Cable Diameter (Nominal): 0.802 in

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
6.6 Ohm/1000ft	11.9 Ohm/1000ft (39.0 Ohm/km)	7 Amps per Conductor at 25°C

#### Voltage

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

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
UL: 75°C Wet, 90°C Dry; NPLF: 90°C	-20°C to +90°C Dry, +75°C Wet

#### Bend Radius

Stationary Min.	Installation Min.
9.624 in (244.4 mm)	9.624 in

Max. Pull Tension:	656 lbs (298 kg)
Bulk Cable Weight:	321 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, Article 760, NPLF, TC-ER
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

Notes:	Alternate color coding available upon request.
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## History

Update and Revision:	Revision Number: 0.46 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	Putup Type	UPC
62P1812 0105000	Reel	612825359722

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