



**Product:** [62P1804](#)

Inst PVC/PVC, 4 Pr #18 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, TC-ER NPLF 90C Dry 75C Wet

### Product Description

UL Instrumentation, 4 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

#### Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	4	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	0.047 in (1.2 mm)	0.497 in	Yes

Overall Cable Diameter (Nominal):	0.497 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
6.6 Ohm/1000ft	11.9 Ohm/1000ft (39.0 Ohm/km)	10 Amps per Conductor at 25°C

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating	Installation

UL: 75°C Wet, 90°C Dry; NPLF: 90°C -20°C to +90°C Dry, +75°C Wet -25°C To +90°C

#### Bend Radius

Stationary Min.	Installation Min.
5.964 in (151.5 mm)	5.964 in

Max. Pull Tension:	224.7 lbs (101.9 kg)
Bulk Cable Weight:	116 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
European Directive Compliance:	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: 0.56 Revision Date: 03-27-2024
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#### Part Numbers

##### Variants

Item #	Putup Type	UPC
62P1804 0105000	Reel	612825359470
62P180401010000	Reel	612825359487

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