



Product: [61P1612](#) 

Inst PVC/PVC, 12 Pr #16 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, TC-ER
NPLF 90C Dry 75C Wet

Product Description

UL Instrumentation, 12 Pair 16AWG (7x24) 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

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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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Pairs
Pair(s)	16	7x24	BC - Bare Copper	0.0571 in	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

Color
Black & White and Numbered

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC/Nylon - Polyvinyl Chloride + Nylon	0.876 in	0.085 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.45 Ohm/1000ft	1.41 Ohm/1000ft

Current

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

Voltage

UL Description	UL Voltage Rating
	600 V
NPLF	150 V

Temperature Range

UL Temperature Rating:	75°C Wet, 90°C Dry
Operating Temperature Range:	-30°C To +90°C

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	411 lbs/1000ft
Maximum Recommended Pulling Tension:	856.8 lbs

Standards

NEC/(UL) Compliance:	TC-ER, NPLF
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Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

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

Related Part Numbers

Variants

Item #	UPC
61P1612 0105000	612825363385

History

Update and Revision:	Revision Number: 0.90 Revision Date: 08-10-2026
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