



Product: [61P1608](#) 

Inst PVC/PVC, 8 Pr #16 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, TC-ER
NPLF 90C Dry 75C Wet

Product Description

UL Instrumentation, 8 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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Pairs
Pair(s)	16	7x24	BC - Bare Copper	0.0571 in	8

Total Number of Pairs:	8
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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
PVC/Nylon - Polyvinyl Chloride + Nylon	0.663 in	0.063 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.45 Ohm/1000ft	1.44 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:	262 lbs/1000ft

Maximum Recommended Pulling Tension:	571.2 lbs
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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
61P1608 0105000	612825359968

History

Update and Revision:	Revision Number: 0.91 Revision Date: 08-07-2026
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