



Product: [62P1602](#)

Inst PVC/PVC, 2 Pr #16 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, TC-ER NPLF 90C Dry 75C Wet

Product Description

UL Instrumentation, 2 Pair 16AWG (7x24) 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)	2	16	7x24	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.101 in (2.57 mm)	ICEA Chart E1

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Each Pair	Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.477 in (12.1 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
4.26 Ohm/1000ft	1.33 Ohm/1000ft (4.36 Ohm/km)	14 Amps per Conductor at 30°C

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.88 in (47.8 mm)	2.35 in (59.7 mm)

Max. Pull Tension:	180 lbs (82 kg)
Bulk Cable Weight:	96 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, Article 760, NPLF, TC-ER
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: 0.130 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
62P1602 0102500	Reel	612825360438
62P1602 0105000	Reel	612825359579
62P160201010000	Reel	612825359562

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