



Product: [62T1624](#) 

Inst PVC/PVC, 24 Tri #16 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, TC
NPLF 90C Dry 75C Wet

Product Description

UL Instrumentation, 24 Triad 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, TC 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
Triad(s)	24	16 AWG	7x24	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.101 in (2.57 mm)	Black, White and Red Numbered

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
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	0.083 in (2.1 mm)	1.456 in	Yes

Overall Cable Diameter (Nominal):	1.456 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
4.2 Ohm/1000ft	5.36 Ohm/1000ft (17.6 Ohm/km)	6 Amps per Conductor at 30°C

Nom Outer Shield DCR:	5.36 Ohm/1000ft (17.6 Ohm/km)
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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.
17.472 in (443.79 mm)	17.472 in

Max. Pull Tension:	2885 lbs (1309 kg)
Bulk Cable Weight:	1156 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 UL Loading, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, Article 760
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)

History

Update and Revision:	Revision Number: 0.43 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
62T1624 0102500	Reel	612825360810

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