



**Product:** [62P1612](#)

Inst PVC/PVC, 12 Pr #16 Str BC, PVC-NYL Ins E1, IS/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, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, TC-ER NPLF 90C Dry 75C Wet SUN RES DIR BUR

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
16	7x24	BC - Bare Copper	12

Conductor Count:	24
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#### Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.101 in

#### Color Chart

Number	Color
Pair	ICEA S-73-732 Table E1 (Pairs: Black & White and numbered)

#### Inner Shield Material

Type	Material	Material Trade Name	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	TC - Tinned Copper	0.0363 mm	20

#### Outer Shield Material

Type	Material	Material Trade Name
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.935 in	0.083 in	Barrier Tape

### Electrical Characteristics

#### Current

Max. Recommended Current [A]
8.1 Amps per Conductor at 30°C

#### Voltage

UL Voltage Rating
150 V RMS (Type NPLF)

### Temperature Range

Installation Temp Range:	-25°C To +90°C
Operating Temp Range:	-40°C to +90°C

## Mechanical Characteristics

Max. Pull Tension:	1020 lbs
Min Bend Radius/Minor Axis:	11 in

## Standards

NEC/(UL) Compliance:	TC-ER
IEEE Compliance:	1202

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes

## Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL voltage rating:	600 V RMS (Type TC)

## Part Number

### Variants

Item #	Putup Type	UPC
62P1612 0102500	Reel	612825363651
62P1612 0105000	Reel	612825359524
62P161201010000	Reel	

## History

Update and Revision:	Revision Number: 0.29 Revision Date: 10-20-2020
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