



**Product:** [62P1412](#)

Inst PVC/PVC, 12 Pr #14 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, TC NPLF 90C Dry 75C Wet

**Product Description**

UL Instrumentation, 12 Pair 14AWG (7x22) 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**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
14	7x22	BC - Bare Copper	12

Conductor Count: 24

**Insulation**

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride + Nylon	0.112 in

**Color Chart**

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4
5	Black & White and Numbered 5
6	Black & White and Numbered 6
7	Black & White and Numbered 7
8	Black & White and Numbered 8
9	Black & White and Numbered 9
10	Black & White and Numbered 10
11	Black & White and Numbered 11
12	Black & White and Numbered 12

**Inner Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	18

**Outer Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	16

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	1.043 in	0.085 in

**Electrical Characteristics**

## Conductor DCR

### Nominal Conductor DCR

2.52 Ohm/1000ft

## Current

### Max. Recommended Current [A]

11.3 Amps per Conductor at 30°C

## Voltage

### UL Voltage Rating

600 V RMS

150 V RMS (Type NPLF)

## Temperature Range

UL Temp Rating: 75°C Wet, 90°C Dry

Operating Temp Range: -25°C To +90°C

## Mechanical Characteristics

UV Resistance: Yes

Bulk Cable Weight: 646 lbs/1000ft

Max. Pull Tension: 773 lbs

Min Bend Radius (Overall): 10.4 in

## Standards

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

Other Compliance: ICEA S-73-532, S-95-658, S-61-402

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

CA Prop 65: Yes

## Suitability

Suitability - Burial: Yes

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Sunlight Resistance: Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability: UL 1685 UL Loading

CSA Flammability: FT4

IEEE Flammability: 1202

UL voltage rating: 600 V RMS (Type TC)

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Putup Type	UPC
62P1412 0105000	Reel	612825366065

## History

Update and Revision: Revision Number: 0.26 Revision Date: 10-20-2020

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