



Product: [61P1401](#)

Inst, 1 Pr #14 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC 150V NPLF THHN OR THWN

Product Description

UL Instrumentation, 1 Pair 14AWG (7x22) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC 150V NPLF THHN OR THWN 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
14	7x22	BC - Bare Copper	0.071 in	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC/Nylon - Polyvinyl Chloride + Nylon	0.112 in	0.020 in

Color Chart

Number	Color
1	Black
2	White

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.046 in	18

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.322 in	0.047 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.2 Ohm/1000ft	2.4 Ohm/1000ft

Current

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

Voltage

UL Description	UL Voltage Rating
TC	
NPLF	150 V RMS (Type NPLF)

Temperature Range

UL Temp Rating:	90°C Dry/75°C Wet
Operating Temp Range:	-25°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	69 lbs/1000ft
Max. Pull Tension:	109 lbs
Min Bend Radius (Overall):	3.25 in
Min Bend Radius/Minor Axis:	3.2 in

Standards

NEC Articles:	Article 336
NEC/(UL) Compliance:	NPLF, TC, UL 1277
Other Compliance:	ICEA S-73-532, S-61-402

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
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 Vertical Tray
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

Part Number

Variants

Item #	Putup Type	UPC
61P1401 0105000	Reel	612825420262

Product Notes

Notes:	Alternate color coding available upon request.
--------	--

History

Update and Revision:	Revision Number: 0.24 Revision Date: 02-16-2021
----------------------	---

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.