



**Product:** [1072A](#)

Inst, 12 Pr #16 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry 75C Wet

[Request Sample](#)

## Product Description

UL Instrumentation, 12 Pair 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V 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 system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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### Construction Details

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	12	16	7x24	BC - Bare Copper

#### Insulation

Element	Material	Thickness [in]	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride/Nylon Skin	0.022	Black, White and Numbered

#### Outer Shield Material

Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	16 AWG (7x24) TC

#### Outer Jacket Material

Material	Thickness	Diameter	Ripcord
PVC - Polyvinyl Chloride	0.064 in	0.800 in	Yes

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR
Pair(s)	3.67 Ohm/1000ft

#### Voltage

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

### Mechanical Characteristics

#### Temperature

UL Rating
90°C Dry, 75°C Wet

#### Bend Radius

Stationary Min.
8.1 in

Max. Pull Tension:	893 lbs
Bulk Cable Weight:	370.6 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Sunlight Resistance, Burial
Flammability / Fire Resistance:	UL1685 UL Loading, FT4, 1202
NEC / UL Compliance:	NPLF, TC-ER
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	ICEA S-73-532, S-61-402

## History

Update and Revision:	Revision Number: 0.344 Revision Date: 06-09-2020
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