



**Product:** [1042A](#)

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

[Request Sample](#)

## Product Description

UL Instrumentation, 12 Pair 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 Color Code, Individual & 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

#### Inner Shield Material

Element	Type	Material	Coverage	Drain Type
Pair(s)	Tape	Alum / Poly	100%	18 AWG (7x26) TC

#### 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	0.084 in	0.907 in	Yes

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Pair(s)	4.2 Ohm/1000ft	3.6 Amps per Conductor at 30°C

#### Voltage

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

### Mechanical Characteristics

#### Temperature

UL Rating	Operating
90°C Dry, 90°C Wet	Wet: -30°C to +90°C, Dry: -30°C to +90°C

## Bend Radius

### Stationary Min.

9.1 in

Max. Pull Tension: 483 lbs

Bulk Cable Weight: 453.6 lbs/1000ft

## Standards and Compliance

Environmental Suitability: Outdoor, 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: 0.362 Revision Date: 06-09-2020

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- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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