




**Product:** [3088A](#) 

Inst, 1 Pr #18 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC 150V NPLF 90C Dry/Wet

 [Request Sample](#)

**Product Description**

UL Instrumentation, 1 Pair 18AWG (7x26) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC 150V NPLF 90C Dry/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)	1	18	7x26	BC - Bare Copper

**Insulation**

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in	0.088	Black, White

**Outer Shield Material**

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

**Outer Jacket Material**

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.047 in	0.276 in	Yes

Cable Diameter (Nominal):	0.276 in
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**Electrical Characteristics**

**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield
Pair(s)	5.86 Ohm/1000ft	41.3 pF/ft	74.3 pF/ft

Nom Outer Shield DCR:	7.46 Ohm/1000ft
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**Voltage**

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

**Mechanical Characteristics**

**Temperature**

UL Rating	Operating
90°C Dry, 90°C Wet	-30C to 90C Dry, 75C wet

**Bend Radius**

Stationary Min.	Installation Min.
2.8 in	2.8 in

Max. Pull Tension:	67 lbs
Bulk Cable Weight:	37 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Fire Resistance:	UL1685 (FT4 Loading), FT4, T-29-520, 1202
NEC / UL Compliance:	Article 336, Article 760, NPLF, TC
European Directive Compliance:	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: 0.373 Revision Date: 03-16-2021
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