



Product: [1087A](#)

Inst, 36 Pr #18 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 300V 600V TC-ER
150V NPLF 90 Dry 75 Wet

[Request Sample](#)

Product Description

UL Instrumentation, 36 Pair 18AWG (7x26) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90 Dry 75 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	Size	Stranding	Material
Pair(s)	36	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in (0.53 mm)	0.088 in (2.2 mm)	Black, White and Numbered

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.084 in (2.1 mm)	1.157 in (29.39 mm)	Yes

Overall Cable Diameter (Nominal):	1.157 in (29.39 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR
Pair(s)	5.86 Ohm/1000ft (19.2 Ohm/km)

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.

13.9 in (353 mm) 13.9 in (353 mm)

Max. Pull Tension: 1635 lbs (741.6 kg)

Bulk Cable Weight: 725 lbs/1000ft

Standards and Compliance

Environmental Suitability: Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial

Flammability / Reaction to Fire: UL1685 (FT4 Loading), FT4, 1202

NEC / UL Compliance: Article 336, Article 760, NPLF, TC-ER

European Directive Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), 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: 0.385 Revision Date: 04-14-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1087A 0101250	Black	Reel	1,250 ft	612825106166
1087A 0105000	Black	Reel	5,000 ft	612825106173

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