


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

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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

Construction Details
Conductor

Element	No. of Elements	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)

Electrical Characteristics
Electricals

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

Nom Outer Shield DCR: 4.1 Ohm/1000ft (13 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)

History

Update and Revision: Revision Number: 0.557 Revision Date: 09-07-2025

Part Numbers

Variants

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

Footnote: C - CRATE REEL PUT-UP., Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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