



Product: <u>1089A</u> ☑

Inst, 36 Pr #16 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry 75C Wet

Product Description

UL Instrumentation, 36 Pair 16AWG (7x26) 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

Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	36	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

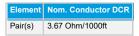
Type	Material	Coverage	Drainwire Type
Tape	Alum / Poly	100%	16 AWG (7x24) TC

Outer Jacket Material

Material	Thickness	Diameter	Ripcord
PVC - Polyvinyl Chloride	0.084 in	1.297 in	Yes

Electrical Characteristics

Electricals



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. 13.2 in

Max. Pull Tension:	2606 lbs
Bulk Cable Weight:	1020 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: 0.338 Revision Date: 06-09-2020

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