



Product: <u>1071A</u> ☑

Inst, 8 Pr #16 Str BC, PVC-NYL Ins E1, OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry/Wet

Request Sample

Product Description

UL Instrumentation, 8 Pair 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 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

Construction Details

Conductor

Element	No. of Elements	ts Size Strand		g Material	
Pair(s)	8	16 AWG	7x24	BC - Bare Copper	

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.101 in (2.57 mm)	ICEA Chart E1

Outer Shield

	Shield Type	Material	Coverage	Drainwire Type	
ľ	Таре	Bi-Laminate (Alum+Poly)	100%	16 AWG (7x24) TC	

Outer Jacket

PVC - Polyvinyl Chloride 0.064 in (1.6 mm) 0.666 in (16.9 mm) Yes	Material	Nom. Thickness	Nom. Diameter	Ripcord
Overall Cable Diameter	PVC - Polyvinyl Chloride	0.064 in (1.6 mm)	0.666 in (16.9 mm)	Yes
	Overall Cable Diameter (Nominal):	0.666 in (16.9 n	nm)	

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current		
Pair(s)	4.36 Ohm/1000ft	9 Amps per conductor @ 30°C		

Voltage



Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min. Installation Min.

8.0 in (200 mm) 8.0 in	(200 mm)
Max. Pull Tension:	607 lbs (275 kg)
Bulk Cable Weight:	267 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEEE 1202 FT4
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: 0.590 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1071A 0107500	Black	Reel	7,500 ft	612825105817	CZ

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