



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	s Size Strandi		g Material	
Pair(s)	8	16 AWG	7x24	BC - Bare Copper	١

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: 0.589 Revision Date: 01-04-2024

Part Numbers

Variants

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

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