



Product: <u>1047A</u> ☑

Inst, 50 Pr #16 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, 600V TC-ER 150V NPLF TFN 90C Dry / 75C Wet

😫 Request Sample

Product Description

UL Instrumentation, 50 Pair 16AWG (7x24) Bare Copper, PVC-NYL Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, 600V TC-ER 150V NPLF TFN 90C Dry 75C Wet SUN RES DIR BUR

Technical Specifications

Product Overview

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)	50	16	7x24	BC - Bare Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in	0.101	Black, White and Numbered

Inner Shield Material

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

Outer Shield Material

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

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.116 in	1.773 in	Yes
Cable Diameter (Nominal):	1.773 in		

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
Pair(s)	3.67 Ohm/1000ft	50 pF/ft	87 pF/ft
Nom Out	er Shield DCR: 2.84 O	hm/1000ft	

Voltage

UL Voltage Rating

600 V (TC-ER), 150 V (NPLF)

Mechanical Characteristics

Bend Radius

Stationary Min.	Installat	tion Min.
21.4 in	21.3 in	
Max. Pull Tensio	n:	4726 lbs
Bulk Cable Weig	ht:	1739.3 lb

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Fire Resistance:	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, 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: 0.236 Revision Date: 10-20-2020

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