



# 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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