



Product: <u>1050A</u> ☑

Inst, 8 Pr #18 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, 600V TC-ER 150V NPLF 90C Dry/Wet

Request Sample

Product Description

UL Instrumentation, 8 Pair 18AWG (7x26) Bare Copper, PVC-NYL Insulation E1 Color Code, Individual & 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	Number of Element	Size	Stranding	Material
Pair(s)	8	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.021 in (0.53 mm)	0.088 in (2.2 mm)	ICEA Chart E1

Inner Shield

Element	Shield Type	eld Type Material		Drainwire Type	Notes	
Pair(s)	Таре	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC	each pair, extra polyester tape for isolation	

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chlorid	0.063 in (1.6 mm)	0.675 in (17.1 mm)	Yes
Overall Cable Diameter (Nominal):	0.675 in (17.1 r	nm)	

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current	
Pair(s)	6.66 Ohm/1000ft	8.48 Ohm/1000ft (27.8 Ohm/km)	7 Amps per conductor @ 30°C	

Voltage

UL Voltage Rating
600 V (TC-ER), 150 V (NPLF)

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.		
8.1 in (210 mm)	8.1 in (210 mm)		

Max. Pull Tension:	393 lbs (178 kg)
Bulk Cable Weight:	237 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)
Other Standard Compliance(s):	ICEA S-73-532 (WC57), S-61-402

History

Update and Revision:	Revision Number: 0.543 Revision Date: 04-14-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1050A 0107500	Black	Reel	7,500 ft	612825105381

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