



**Product:** [1053A](#)

Inst, 24 Pr #18 Str BC, PVC-NYL Ins E1, IS/OS, Bk PVC Jkt, 600V TC-ER  
150V NPLF 90C Dry 75C Wet

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**Product Description**

UL Instrumentation, 24 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 75C Wet SUN RES DIR BUR

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
18	7x26	BC - Bare Copper	24

Conductor Count:	48
Total Number of Pairs:	24

**Insulation**

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon Skin	0.088 in

**Color Chart**

Number	Color
1	Black & White Numbered 1
2	Black & White Numbered 2
3	Black & White Numbered 3
4	Black & White Numbered 4
5	Black & White Numbered 5
6	Black & White Numbered 6
7	Black & White Numbered 7
8	Black & White Numbered 8
9	Black & White Numbered 9
10	Black & White Numbered 10
11	Black & White Numbered 11
12	Black & White Numbered 12
13	Black & White Numbered 13
14	Black & White Numbered 14
15	Black & White Numbered 15
16	Black & White Numbered 16
17	Black & White Numbered 17
18	Black & White Numbered 18
19	Black & White Numbered 19
20	Black & White Numbered 20
21	Black & White Numbered 21
22	Black & White Numbered 22
23	Black & White Numbered 23
24	Black & White Numbered 24

**Inner Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	20	7x28

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	18	7x26

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	1.09 in	0.084 in	Yes

## Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
7.46 Ohm/1000ft	5.86 Ohm/1000ft	5.07 Ohm/1000ft

#### Current

Max. Recommended Current [A]
2.1 Amps per conductor @ 25°C

#### Voltage

UL Voltage Rating
600 V RMS
150 V RMS (Type NPLF)

## Temperature Range

UL Temp Rating:	75°C Dry, 90°C Wet
Wet Temp Range:	-30°C To +75 °C
Dry Temp Range:	-30°C To +90 °C

## Mechanical Characteristics

Bulk Cable Weight:	646 lbs/1000ft
Max Recommended Pulling Tension:	685 lbs
Min Bend Radius/Minor Axis:	10.9 in

## Standards

NEC/(UL) Specification:	NPLF, TC-ER
Other Specification:	ICEA S-73-532 (WC57), S-61-402

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS (Type TC)

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Color	Putup Type	Length	UPC
1053A 0102500	Black	Reel	2,500 ft	612825105466
1053A 0105000	Black	Reel	5,000 ft	612825105473

Footnote: C - CRATE REEL PUT-UP.

Footnote: Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

### Product Notes

Notes: Alternate color coding available upon request.

### History

Update and Revision: Revision Number: 0.348 Revision Date: 04-28-2020

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
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#### Как с нами связаться

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