



Product: [1094A](#)

Inst, 8 Tri #18 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, 600V TC-ER
150V NPLF 90C Dry 75C Wet

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Product Description

UL Instrumentation, 8 Triad 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 Triads
18	7x26	BC - Bare Copper	8

Conductor Count:	24
Total Number of Triads:	8

Insulation

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

Color Chart

Number	Color
1	Black and Red and White and Printed #1
2	Black and Red and White and Printed #2
3	Black and Red and White and Printed #3
4	Black and Red and White and Printed #4
5	Black and Red and White and Printed #5
6	Black and Red and White and Printed #6
7	Black and Red and White and Printed #7
8	Black and Red and White and Printed #8

Color Chart 2

Number	Color
1	Black & White & Red and Numbered 1
2	Black & White & Red and Numbered 2
3	Black & White & Red and Numbered 3
4	Black & White & Red and Numbered 4
5	Black & White & Red and Numbered 5
6	Black & White & Red and Numbered 6
7	Black & White & Red and Numbered 7
8	Black & White & Red and Numbered 8

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
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Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	18	7x26
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Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.738 in	0.064 in	Yes

Construction and Dimensions

Stranding

Twists

4.8 twist/ft

Cabling

Twists

1.32 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
5.86 Ohm/1000ft	7.11 Ohm/1000ft	4.22 Ohm/1000ft

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:	311.5 lbs/1000ft
Max Recommended Pulling Tension:	672 lbs
Min Bend Radius/Minor Axis:	7.5 in

Standards

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

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
1094A 0105000	Black	Reel	5,000 ft	612825106364

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

Notes:	Triad groups are numbered for ease of identification. Alternate color coding available upon request.
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History

Update and Revision:	Revision Number: 0.338 Revision Date: 04-28-2020
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