



Product: [1095A](#)

Inst, 12 Tri #18 Str BC, PVC-NYL Ins E1, IS/OS, Blk PVC Jkt, 600V TC-ER
150V NPLF 90C Dry 75C Wet

[Request Sample](#)

Product Description

UL Instrumentation, 12 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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Triad(s)	12	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.022 in (0.56 mm)	0.088 in (2.2 mm)	ICEA Chart E1

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Shield

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

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Polyester Tape	PVC - Polyvinyl Chloride	0.084 in (2.1 mm)	0.962 in	Yes

Overall Cable Diameter (Nominal): 0.962 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
6.7 Ohm/1000ft	7.11 Ohm/1000ft (23.3 Ohm/km)	37 pF/ft (120 pF/m)	43 pF/ft (140 pF/m)	30 pF/ft (98 pF/m)	6 Amps per Conductor at 30°C

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 75°C Wet	-20°C To +90°C Dry, +75°C Wet

Bend Radius

Stationary Min.	Installation Min.
3.848 in (97.74 mm)	4.81 in

Max. Pull Tension:	997 lbs (452 kg)
Bulk Cable Weight:	503 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, FT4, IEEE 1202 FT4
NEC / UL Compliance:	Article 336, Article 760
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, S-61-402

Product Notes

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

History

Update and Revision:	Revision Number: 0.426 Revision Date: 12-20-2022
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
1095A 0102500	Black	Reel	2,500 ft	612825106401
1095A 0105000	Black	Reel	5,000 ft	612825106418

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.