



Part Number: 28159A

600V Tray, (3) 2 AWG (7x10) BC+Grd, PVC-NYL/PVC, TC-ER

Product Description

Three 2 AWG stranded (7x10) bare copper conductors plus ground wire, PVC/Nylon insulation, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
	2	7x10	BC - Bare Copper	3
Ground Wire	6	7x14	BC - Bare Copper	1

Conductor Count:	4
Conductor Size:	2 AWG

Insulation

Material
PVC/Nylon - Polyvinyl Chloride/Nylon
Uninsulated

Color Chart

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.987 in	0.083 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.16 Ohm/1000ft

Current

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

Voltage

UL Voltage Rating
600 V RMS

Temperature Range

UL Temp Rating:	90°C Dry, 90°C Wet
-----------------	--------------------

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

Mechanical Characteristics

Bulk Cable Weight:	960 lbs/1000ft
Max Recommended Pulling Tension:	1593 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC/(UL) Specification:	TC-ER, THHN/THWN Singles
Other Specification:	S-95-658, S-61-402

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	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 RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

Item #	Color
28159A 0105000	Black

© 2018 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.