



Part Number: 8618

Audio/Control/Instrumentation, (3) 16 AWG (19X29) TC, PE/PVC, Foil Shld

Product Description

Three 16 AWG stranded (19x29) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	19x29	TC - Tinned Copper	3

Total Number of Conductors:	3
-----------------------------	---

Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.0315 in

Color Chart

Number	Color
1	Black
2	Red
3	Clear

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	18	16x30 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.327 in	0.031 in

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	50 pF/ft

Construction and Dimensions

Conductor DCR

Nominal Conductor DCR
4.8 Ohm/1000ft

Impedance

Nominal Characteristic Impedance
N/A

Current

Max. Recommended Current [A]

7 Amps per conductor @ 25°C

Voltage

UL Description	UL Voltage Rating
----------------	-------------------

AWM Style 2107	600V RMS
----------------	----------

CL3	300 V RMS
-----	-----------

Applicable Standards & Environmental 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 CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CPR Euroclass:	Eca
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

NEC Articles:	800
NEC/(UL) Specification:	CL3
UL AWM Style:	UL Style 20253 (600 V 80°C)

Flame Test

UL Flammability:	UL1685 UL Loading
------------------	-------------------

Safety

UL Voltage Rating:	600 V RMS
--------------------	-----------

Mechanical Characteristics

Operating Temp Range:	-20°C To +80°C
Bulk Cable Weight:	60(lbs/1000ft)
Max Recommended Pulling Tension:	110(lbs)
Min Bend Radius/Minor Axis:	3.5(in)

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 20253)
-----------------	---------------------------

Plenum/Non-Plenum

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

History

Variants

Item #	Color
8618 0601000	CHROME
8618 060500	CHROME
8618 0605000	CHROME
8618 060U500	CHROME

© 2017 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 EU RoHS(Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be instock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.