



Part Number: 85230

Control/Instrumentation, (2) 20 AWG (7x28) TC, ETFE/ETFE, Alum Foil Shld

Product Description

Two 20 AWG stranded (7x28) tinned copper conductors, Tefzel® (ETFE) insulation, overall Aluminum-Kapton® Shield (100% coverage), Tefzel® (ETFE) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
20	7x28	TC - Tinned Copper	2
Total Number of Conductors:			2

Insulation:

Material	Material Trade Name	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.015 in

Color Chart 1:

Color
Black
Red

Outershield 1:

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum-Kapton® Foil	100 %	TC - Tinned Copper	22	Stranded mm

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
ETFE - Ethylene Tetrafluoroethylene	Tefzel®	0.182 in	0.02 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
9.3 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	59 pF/ft

Impedance:

Nominal Characteristic Impedance
53 Ohm

Current:

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

Inductance:

Nominal Inductance
0.19 µH/ft

Voltage:

Non-UL Voltage Rating
300 V RMS

Use

Max Recommended Pulling Tension:	28 lbs
----------------------------------	--------

Safety

UL Flammability:	VW-1
------------------	------

Temperature Range

Non-UL Temp Rating:	150°C
Operating Temp Range:	-60°C To +150°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2 in
-----------------------------	------

Part Number

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

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Tefzel and Kapton are DuPont trademarks.
--------	--

Product Variants

Part Number	Color	Put-Up Type	Length
85230 3681000	CLEAR, TRANSPARENT	Reel	1000 ft
85230 368500	CLEAR, TRANSPARENT	Reel	500 ft

© 2016 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 herein 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 "AS IS" 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 in stock 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.