

Part Number: 8761

Audio/Control/Instrumentation, (1 pr) 22 AWG (7x30)
TC, PE/PVC, Foil Shld, CM

Product Description

One 22 AWG pair stranded (7x30) tinned copper conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
22	7x30	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material	Nominal Wall Thickness
PE - Polyethylene	0.017 in

Color Chart 1:

Number	Color
1	Black & Clear

Cabling 1:

Lay Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/shorting fold	Beldfoil®	100 %	TC - Tinned Copper	22	Stranded mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.175 in	0.025 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
16 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
24 pF/ft	47 pF/ft

Impedance:

Nominal Characteristic Impedance
64 Ohm

Current:

Element	Max. Recommended Current [A]
10C temperature rise	2.9 Amps per conductor @ 25°C ambient

Inductance:

Nominal Inductance
0.2 µH/ft

Voltage:

UL Voltage Rating
300 V RMS (UL AWM Style 2092)

Use

Suitability - Indoor:	Yes
Max Recommended Pulling Tension:	27 lbs

Safety

CSA Flammability:	FT1
UL Flammability:	UL1685 UL Loading

Temperature Range

Operating Temp Range:	-20°C To +60°C
UL Temp Rating:	60°C (UL AWM Style 2092)

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.75 in
-----------------------------	---------

Part Number

Plenum (Y/N):	No
Plenum Number:	88761, 87761, 82761

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
8761 06010000	CHROME	Reel	10000 ft
8761 06010001	CHROME	Reel	10000 ft
8761 0601000	CHROME	Reel	1000 ft
8761 06015000	CHROME	Reel	15000 ft
8761 0602000	CHROME	Reel	2000 ft
8761 0605000	CHROME	Reel	5000 ft
8761 060500	CHROME	Reel	500 ft
8761 060U1000	CHROME	UnReel	1000 ft
8761 060U500	CHROME	UnReel	500 ft
8761.00U152	CHROME	UnReel	152 ft
8761.00U305	CHROME	UnReel	305 ft
8761.011525	CHROME	Reel	1525 ft
8761.01152	CHROME	Reel	152 ft
8761.01305	CHROME	Reel	305 ft
8761.01U305	CHROME	UnReel	305 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.