

Part Number: 82778



Audio, Control & Instrument, #22-6pr, FEP, Indiv. Foil, LS-PVC Jkt, CMP

Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductor, FEP insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall jacket per table below, 22 AWG stranded tinned copper drain wire.

Technical Specifications

Physical Characteristics (Overall)

Condu	Conductor					
AWG	Stranding	Material	Nominal Diameter	No. of Pairs		
22	7x30	TC - Tinned Copper	0.03 in	6		
Condu	Conductor Count:					
Condu	Conductor Size:					

Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.011 in

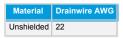
Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

Inner Shield Material

Туре	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	Aluminum Foil-Polyester Tape	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	Stranded mm

Outer Shield Material



Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.314 in	0.017 in

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Max. Conductor DCR
11.3 Ohm/1000ft	16 Ohm/100m

Capacitance

Nom. Capacitance Condu	ctor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft		76 pF/ft
Shielding:		Individually Foiled + No Overall

Inductance

Nominal Inductance

Impedance

Nominal Characteristic Impedance 46 Ohm

Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
62 ns/100m	62 %

Current

Max. Recommended Current [A]

1.96 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating
300V RMS

Temperature Range

Operating Temp Range:	0°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	67 lbs/1000ft
Min Bend Radius/Minor Axis:	3.25 in

Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP

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 Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
CSA Flammability:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes	

Part Number

Non-Plenum Number:	8778	

Variants

Item #	Color	Footnote
82778 8771000	NATURAL	С
Footnote:		

© 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.