



Product: [8778](#)

Audio, Control & Instrument, #22-6pr, PP, Individ. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 6-Pair, 22 AWG stranded (7x30) tinned copper conductor, polypropylene insulation, individually shielded pairs with Beldfoil® (100% coverage), overall PVC jacket and 22 AWG stranded tinned copper drain wire.

Technical Specifications

Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
------------------------	---

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	6	22 AWG	7x30	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.011 in (0.28 mm)	0.05 in (1.3 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC	each pair

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.034 in (0.86 mm)	0.352 in (8.94 mm)

Overall Cable Diameter (Nominal):	0.352 in (8.94 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	18.2 Ohm/1000ft	12.39 Ohm/1000ft (40.65 Ohm/km)	30 pF/ft (98 pF/m)	55 pF/ft (180 pF/m)	50 Ohm	66%	1.96 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (CM), 30 V (UL AWM 2919)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

Bend Radius

Stationary Min.	Installation Min.

3.5 in (89 mm) 3.5 in (89 mm)

Max. Pull Tension:	127 lbs (57.6 kg)
Bulk Cable Weight:	70 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca, CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2919
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	88778, 82778, 87778

History

Update and Revision:	Revision Number: 0.604 Revision Date: 12-22-2023
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
8778.0130	Chrome	Reel	30 m	8719605019660	
8778 060100	Chrome	Reel	100 ft	612825216247	
8778.00152	Chrome	Reel	152 m	8719605019646	
8778 060250	Chrome	Reel	250 ft	612825216261	C
8778.00305	Chrome	Reel	305 m	8719605019653	
8778 060500	Chrome	Reel	500 ft	612825216278	C
8778 0601000	Chrome	Reel	1,000 ft	612825216254	C
8778 0605000	Chrome	Reel	5,000 ft	612825216285	

© 2024 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.