Belden



Product: 8777

Audio, Control & Instrument, #22-3pr, PP, Indiv. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 3-Pair, 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, individually shielded pairs (100% coverage), 22 AWG stranded tinned copper drain wire, PVC jacket.

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)	3	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)	0.050 in (1.3 mm)	Black & Red, Black & White, Black & Green

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)	0.273 in (6.93 mm)

Overall Cable Diameter (Nominal):	0.273 in (6.93 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. Inductance	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	0.18 µH/ft (0.59 µH/m)	66%	2.8 Amps per Conductor at 25ºC

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating	Storage
80°C	-20°C to +80°C	-40°C To +80 °C

Bend Radius

Stationary Min.	Installation Min.

2.7 in (69 mm)	2.7 in (69 mm)

Max. Pull Tension:	63.7 lbs (28.9 kg)
Bulk Cable Weight:	39 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:	88777, 87777, 82777

History

Update and Revision:	Revision Number: 0.540 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
8777.0030	Chrome	Reel	30 m	8719605019493	
8777 060100	Chrome	Reel	100 ft	612825216087	
8777.00U152	Chrome	UnReel	152 m	8719605019516	
8777.01152	Chrome	Reel	152 m	8719605019530	
8777 060250	Chrome	Reel	250 ft	612825216124	C
8777.00305	Chrome	Reel	305 m	8719605019509	
8777.00U305	Chrome	UnReel	305 m	8719605019523	
8777.K0305	Chrome	Reel	305 m	8719605019554	
8777 060500	Chrome	Reel	500 ft	612825216148	C
8777 060U500	Chrome	UnReel	500 ft	612825216070	
8777 0601000	Chrome	Reel	1,000 ft	612825216094	C
8777 060U1000	Chrome	UnReel	1,000 ft	612825216063	
8777.001000	Chrome	Reel	1,000 m	8719605019486	
8777 0601640	Chrome	Reel	1,640 ft	612825216117	C
8777.013048	Chrome	Reel	3,048 m	8719605019547	
8777 0603280	Chrome	Reel	3,280 ft	612825216131	C
8777 0605000	Chrome	Reel	5,000 ft	612825216155	C
8777 06010000	Chrome	Reel	10,000 ft	612825216100	C Y

Footnote:	C - CRATE REEL PUT-UP., Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

© 2026 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.