



**Product:** [8777LS](#)

Audio, Control & Instrument, #22-3pr, PP, Individ. Foil, LSZH Jkt, SWA

## 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, LSZH jacket, Steel Wire Armor

## 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

Size	Stranding	Material
22	7x30	TC - Tinned Copper

#### Insulation

Material	Nom. Insulation Diameter	Color Code
PP - Polypropylene	1.27 mm (0.0500 in)	Black & Red, Black & White, Black & Green
		Red, Green, Blue

#### Inner Shield

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

#### Outer Shield

Material
Bi-Laminate (Alum+Poly)

#### Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Color
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.89 mm (0.035 in)	7 mm (0.28 in)	Chrome (RAL 7037)

#### Armor

Armor Type & Material	Armor Thickness	Coverage
SWA - Steel Wire Armor	0.9 mm (0.035 in)	Min. 95%

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.35 mm (0.0531 in)	11.5 mm (0.453 in)

Overall Cable Diameter (Nominal):	11.5 mm (0.453 in)
-----------------------------------	--------------------

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
--------------------	-----------------------	-------------------------------	---	-------------------------------	--------------

49.2 Ohm/km (15.0 Ohm/1000ft)	34.8 Ohm/km (10.6 Ohm/1000ft)	98.4 pF/m (30.0 pF/ft)	180.4 pF/m (54.99 pF/ft)	50 Ohm	2 A
-------------------------------	-------------------------------	------------------------	--------------------------	--------	-----

## Voltage

Voltage Rating
300 V

## Mechanical Characteristics

### Temperature

Operating	Installation	Storage
-45°C To +80°C	-15°C To +80°C	-45°C To +80°C

### Bend Radius

Installation Min.
115 mm (4.53 in)

## Standards and Compliance

Environmental Suitability:	Indoor/Indoor/OutdoorOutdoor/Indoor/Outdoor - Euroclass Eca, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-24
ISO/IEC Compliance:	IEC 61034-2 - Smoke Density Min Transmittance = 60%
CENELEC Compliance:	EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 μS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark

## History

Update and Revision:	Revision Number: 0.265 Revision Date: 12-05-2024
----------------------	--

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	EAN
8777LS.00500	Black	Reel	500 m	8719605019578
8777LS.001000	Black	Reel	1,000 m	8719605019561

© 2025 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.