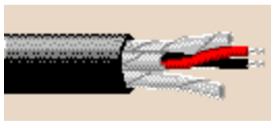
Product: 8777SB



Audio & Instrumentation, #22-3pr, TC, Indiv. Shielded, Shipboard

Product Description

22 AWG stranded (7x30) tinned copper conductors, twisted pairs, polypropylene insulation, individually Beldfoil® shielded (100% coverage), 22 AWG stranded tinned copper drain wire each pair, LSZH jacket.

Technical Specifications

Product Overview

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

Construction Details

Conductor

Size	Stranding	Material
22	7x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.01 in (0.25 mm)	0.05 in (1.3 mm)	Black & Red, Black & White, Black & Green

Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.034 in (0.86 mm)	0.273 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
15 Ohm/1000ft (49 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 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V RMS (CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

Max. Pull Tension:	79 lbs (36 kg)
Bulk Cable Weight:	42 lbs/1000ft (63 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 FT4 Loading, Limited Smoke, FT4, 1202, IEC 60332-1-2, IEC 60332-3-22
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CMG-LS
CEC / C(UL) Compliance:	CMG-ST1
IEEE Compliance:	Std. 45 clause 23
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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)

History

Update and Revision:	Revision Number: 0.416 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8777SB 0101000	Black	Reel	1,000 ft	612825216308	C

Footnote:	C - CRATE REEL PUT-UP.

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