

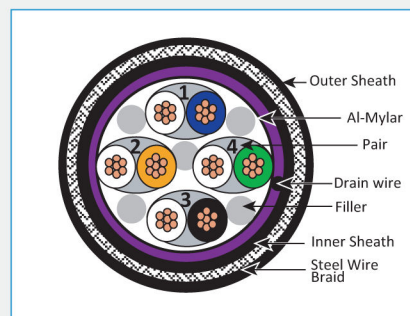
EIA-485 22&24 AWG SWB LSZH

Serial Data Communication Cable, Armoured

Construction

Conductor	Stranded Tinned Copper
Insulation	HD-PE
Colour	Pair 1: 1 x white, 1 x blue Pair 2: 1 x white, 1 x orange Pair 3: 1 x white, 1 x black Pair 4: 1 x green
1st screen	1 x AL-Mylar Wrap, overlapping >= 25 %
Drain wire	Stranded Tinned Copper
Braid Shield	Tinned copper ; coverage ≥85%
Inner Sheath	LSZH
Braid Armour	Galvanized Steel Wire Braid ; >85%
Outer Sheath	LSZH

AWG / Pair	22 / 1P	22 / 2P	22 / 3P	22 / 4P	24 / 1P	24 / 2P	24 / 3P	24 / 4P
Conductor Ø mm	0.77				0.61			
Insulation Ø mm	1.8 ± 0.2				1.6 ± 0.08			
Drain wire Ø mm	7 * 0.254				7 * 0.254			
Braid shield	16*6* 0.12mm	16*10* 0.12mm	16*12* 0.12mm	16*12* 0.12mm	16*5* 0.12mm	16*11* 0.12mm	16*9* 0.12mm	16*11* 0.12mm
Inner Sheath Ø mm	6.5	8.2	9.6	10	6.3	8.0	8.5	9.5
Braid Armour Ø mm	7.4	9.4	11.1	11.8	7.5	9.6	10.2	11.3
Outer Sheath Ø mm	11.1	13.0	14.8	15.7	10.8	13.1	13.4	11.8



Application

For multidropped, medium-speed, serial data communication in electrically noisy industrial environments.

Application includes industrial networks using RS-485/RS-422 transceivers:

- RS-422 systems for Process Automation (chemicals, brewing, paper mills), factory automation (autos, metal fabrication), HVAC, security, motor control and motion control.
- Suitable for outdoor installation due to steel wire braiding.

Fire Rating

- IEC 60332-1, IEC 61034-2, IEC 60754-1/2

Optional

- PVC / PE

Electrical Specification at 20°C

AWG / Pair	22 / 1P	22 / 2P	22 / 3P	22 / 4P	24 / 1P	24 / 2P	24 / 3P	24 / 4P
Conductor resistance	≤ 58 Ω/km				≤ 89 Ω/km			
Rated Voltage	300 V							

Mechanical Properties

AWG / Pair	22 / 1P	22 / 2P	22 / 3P	22 / 4P	24 / 1P	24 / 2P	24 / 3P	24 / 4P
Rated temperature	+80°C							

Ordering Information

EIA-485 22 & 24 AWG SWB part numbers are made up using the table below.

The part number starts with 48 to denote that it is an EIA-485 cable. The following number shows the number of pairing and the last 2 numbers signifies the AWG. The following letter describes the sheath type and the alphabet at the end shows that this is a steel wire braided cable.

Example of an EIA-485 SWB part number -

48422LB

The above example describes an EIA-485 SWB cable with 4 pairing, 22 AWG. Sheath type LSZH, SWB.

EIA - 485	PAIRING	AWG	SHEATH	OUTER JACKET
48	X	XX	X	X
	1 - 1 Pair 2 - 2 Pair 4 - 4 Pair	22 - 22 AWG 24 - 24 AWG	(nil) - PVC L - LSZH P - PE	B - SWB