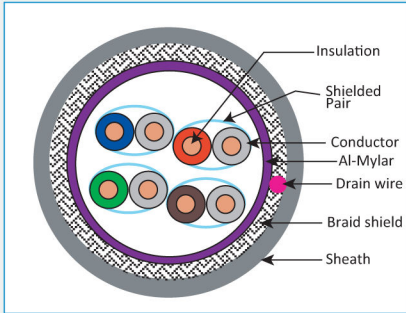


# UL 2919 INDIV-PAIR SCREEN 18-24AWG LSZH

Individual Pair Screened Control Cable



## Application

Multipairs individual shielded in sensitive EMI environment for general data control & BUS applications.

Can be used for Security & Control Application. Designed to pass UC 1666 burn test.

## Optional:

- PVC / Steel Wire Braid
- High pair counts upon request.

## Technical Details

<b>Conductor</b>	Stranded Tinned Copper , AWG 18, diameter 16 x 0.254 mm
<b>Operating Voltage</b>	300V
<b>Insulation</b>	HD-PE
<b>Insulation colour</b>	Pair 1: 1 x white, 1 x Blue    Pair 2 : 1 x white , 1 x orange Pair 3 : 1 x white , 1 x green    Pair 4 : 1 x white , 1 x brown
<b>1st screen</b>	1 x AL-Mylar Wrap, overlapping >= 25 %
<b>Drain wire</b>	7/0.254mm Stranded Tinned Copper
<b>Coverage</b>	Braid Shield coverage ≥85%
<b>Sheath</b>	LSZH
<b>Sheath colour</b>	Grey
<b>Rated temperature</b>	+80°C

## Cable Dimension

Conductor Size	Conductor Diameter (mm)	DC Resistance @ 20°C (Ω/km)	No. of Pairs	Insulation Diameter (MM)	Braid Shield %	OD (mm) ± 5%
<b>18 AWG</b>	1.17	<= 23.0	1 Pair	<b>2.4 ± 0.2</b>	16 / 11 / 0.12	7.5
		<= 23.0	2 Pairs		16 / 14 / 0.12	10.3
		<= 23.0	4 Pairs		16 / 17 / 0.12	12.8
		<= 23.0	4 Pairs		16 / 15 / 0.12	11.5
<b>20 AWG</b>	0.94	<= 36.0	1 Pair	<b>2.1 ± 0.2</b>	16 / 10 / 0.12	7.0
		<= 36.0	2 Pairs		16 / 13 / 0.12	9.3
		<= 36.0	4 Pairs		16 / 15 / 0.12	11.5
		<= 36.0	4 Pairs		16 / 13 / 0.12	8.7
<b>22 AWG</b>	0.76	<= 56.0	1 Pair	<b>2.0 ± 0.2</b>	16 / 09 / 0.12	6.5
		<= 56.0	2 Pairs		16 / 13 / 0.12	8.7
		<= 56.0	4 Pairs		16 / 15 / 0.12	11.0
		<= 56.0	4 Pairs		16 / 15 / 0.12	11.0
<b>24 AWG</b>	0.61	<= 86.0	1 Pair	<b>1.8 ± 0.2</b>	16 / 08 / 0.12	5.9
		<= 86.0	2 Pairs		16 / 12 / 0.12	8.6
		<= 86.0	4 Pairs		16 / 14 / 0.12	9.9
		<= 86.0	4 Pairs		16 / 14 / 0.12	9.9

## Ordering Information

UL 2919 18-24 AWG part numbers are made up using the table below.

The part number starts with 24 to denote that it is a UL 2919 cable. The following number shows the number of pairing and the last 2 numbers signifies the AWG. Any letter behind would describe the sheath type.

Example of a UL 2919 part number -

**29418L**

The above example describes an UL 2919 cable with 4 pairing, 18 AWG. Sheath type LSZH.

UL 2919	PAIRING	AWG	SHEATH
29	X	XX	X
	1 - 1 Pair 2 - 2 Pair 3 - 3 Pair 4 - 4 Pair	18 - 18 AWG 20 - 20 AWG 22 - 22 AWG 24 - 24 AWG	(nil) - PVC L - LSZH