


SDB3800950	<b>PRODUCT DATA SHEET</b>	
Valid from: 08.10.2021	UNITRONIC® ST2919 FPE	

<https://lappapac.lappgroup.com>

## 1. Application

Designed for RS-232,RS-422,RS-485 interface.

## 2. Reference Standard (s)

IEC 60332-1-2, UL Style 2919

## 3. Cable Construction

- |                            |   |
|----------------------------|---|
| 3.1. Conductor type        | : Stranded Tinned Anneal Copper   |
| 3.2. Insulation            | : Foam Polyethylene   |
| 3.3. Cores                 | : Twisted into Pair   |
| 3.4. Core Identification   | : Pair 1 - White/Blue Stripe; Blue/White Stripe<br>Pair 2 - White/Orange Stripe ; Orange/White Stripe.<br>Pair 3 – White/Green Stripe ; Green/ White Stripe.<br>Pair 4 – White/Brown Stripe ; Brown/ White Stripe<br>Pair 5 – White/Grey Stripe ; Grey/ White Stripe<br>Pair 6 : Red/Blue Stripe ; Blue/Red Stripe<br>Pair 7 : Red/Orange Stripe ; Orange/Red Stripe<br>Pair 8 : Red/Green Stripe ; Green/Red Stripe<br>Pair 9 : Red/Brown Stripe ; Brown/Red Stripe<br>Pair 10 – Red/Grey Stripe ; Grey/Red Stripe<br>Pair 11 – Black/Blue Stripe ; Blue/Black Stripe<br>Pair 12 – Black/Orange Stripe ; Orange/Black Stripe<br>Single Core - Grey |
| 3.5. Shielding             | : Polyester Aluminium Foil, 100% Coverage   |
| 3.6. Drain Wire            | : Stranded Tinned Copper Wires.   |
| 3.7. Outer Sheath Material | : PVC Flame Retardant compound  |
| 3.8. Outer Sheath Colour   | : Chrome Grey, RAL 7005.  |

## 4. Technical Data

- |  |                     |
|--|---------------------|
| 4.1. Voltage Rating                                    | : 30 V.             |
| 4.2. Dielectric Test                                   | : 1.0kVAC/min       |
| 4.3. Characteristic Impedance                          | : 100 Ω~ 120 Ω      |
| 4.4. Nom. Capacitance Cond. To Cond.                   | : 42.5pF/m          |
| 4.5. Nom. Capacitance Cond. To Other (Cond. + Shield.) | : 72.0pF/m          |
| 4.6. Min. Bending Radius                               | : 10xOD             |
| 4.7. Operating Temperature                             | : -30°C.to +80°C    |
| 4.8. Flame Retardant                                   | : IEC60332-1-2      |
| 4.9. EU Directive                                      | : 2011/65/EU (RoHS) |


## 5. Approvals

UL Recognised acc to UL Style 2919 ( UL File # E63634)

## 6. Dimensional Data

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Part No.	No. of pairs and conductor size AWG	Insulation diameter, ±0.03mm	Outer Diameter ±0.5mm	Max. conductor resistance DC @ 20°C Ω/km	Approx. cable weight. kg/km
3800950	2x2x24AWG	1.12	6.30	94.2	46.0
3804943	3x2x24AWG	1.12	6.7	94.2	42.0
3800951	4x2x24AWG	1.12	7.1	94.2	55.0
3804946	6x2x24AWG	1.12	8.1	94.2	75.0
3804947	12x2x24AWG + 1 x 24AWG	1.12	10.6	94.2	122.0

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