

**Info**

- UL Style 2919
- UL-approved

- Application range**
- Suitable for audio, control and instrumentation measurements in environments immune to noise
  - For use in dry and damp environment

- Product features**
- 100% screen coverage, offers optimum protection against external interference at medium and high frequencies
  - Flame retardant in acc. to IEC 60332-1-2



**Approvals (Norm references)**



- Design**
- Multi-wire strands of tinned annealed copper
  - PE core insulation
  - Twisted pair, individual pair screening of aluminium laminated foil
  - Tinned copper drain wire
  - PVC outer sheath
  - Colour: pebble grey, RAL 7032

**Technical data**

- Core identification code**  
black/red, black/white, and black/green
- Mutual capacitance**  
C/C: approx. 98 pF/m  
C/S: approx. 181 pF/m
- Peak operating voltage**  
30 V (not for power applications)
- Specific insulation resistance**  
> 2 GOhm x km
- Inductivity**  
approx. 0.65 mH/km
- Minimum bending radius**  
10 x cable diameter
- Test voltage**  
1000 V
- Temperature range**  
-20 °C to +80 °C
- Characteristic impedance**  
50 Ohm

Article number	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3801708	3x2x22 AWG	6.95	25.7	62

Photographs are not to scale and do not represent detailed images of the respective products.

**UNITRONIC® ST 2919 FPE**

**Info**

- UL Style 2919
- UL-approved

- Application range**
- Designed for use as Data Highway (DH) RS 232, RS 422, and RS 485 interface
  - Suitable for static laying in dry and damp condition

- Product features**
- Low capacitance
  - 100% screen coverage, offers optimum protection against external interference at medium and high frequencies
  - Flexible for use in environment where space is a constraint
  - Flame retardant in acc. to IEC 60332-1-2



**Design**

- Multi-wire strands tinned copper wires
- Foam PE core insulation
- Cores twisted together
- Overall screening of aluminium laminated plastic foil
- Colour: chrome grey, RAL 7005
- Tinned copper drain wire
- PVC outer sheath
- Core insulation colour:  
 Pair 1: wh/bu stripe + bu/wh stripe  
 Pair 2: wh/og stripe + og/wh stripe  
 Pair 3: wh/gn stripe + gn/wh stripe  
 Pair 4: wh/bn stripe + bn/wh stripe  
 Pair 5: wh/gy stripe + gy/wh stripe  
 Pair 6: rd/bu stripe + bu/rd stripe  
 Pair 7: rd/og stripe + og/rd stripe  
 Pair 8: rd/gn stripe + gn/rd stripe  
 Pair 9: rd/bn stripe + bn/rd stripe  
 Pair 10: rd/gy stripe + gy/rd stripe  
 Pair 11: bk/bu stripe + bu/bk stripe  
 Pair 12: bk/og stripe + og/bk stripe  
 Single conductor: grey

**Technical data**

- Mutual capacitance**  
C/C: approx. 42 pF/m  
C/S: approx. 72 pF/m
- Peak operating voltage**  
30 V (not for power applications)
- Specific insulation resistance**  
> 2 GOhm x km
- Inductivity**  
approx. 0.7 mH/km
- Minimum bending radius**  
10 x cable diameter
- Test voltage**  
1000 V
- Temperature range**  
-30 °C to +80 °C
- Characteristic impedance**  
100 Ohm

Article number	Number of pairs and AWG per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
3800950	2x2x24 AWG	6.3	10.5	46
3804943	3x2x24 AWG	6.65	14.7	42.2
3800951	4x2x24 AWG	7.1	19.0	55
3804946	6x2x24 AWG	8.1	27.3	74.9
3804947	12x2x24 AWG + 1x24 AWG	10.6	54.6	121.7

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