

SUNLIGHT SX-E LF

Shielded multipurpose twisted pair type instrumentation cable

- Heat resistance ★★
 - Oil resistance ★★★★★
 - Noise resistance ★★★★★
 - Flame resistance ★★★★★
 - Flexibility ★★
 - non-migratory ★★★★★
 - Transport property ★
- ※The characteristic is an aim.

>>> Meeting standard



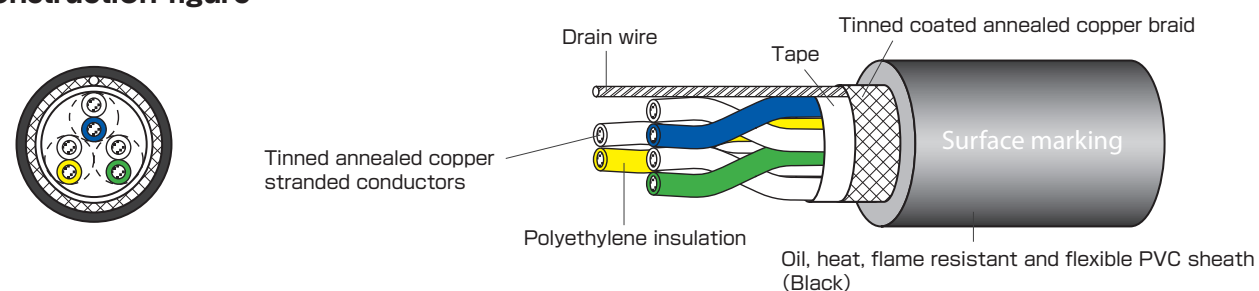
> Application

- Weak electric instrumentation cable wiring of the automatic control system of various kinds of production equipment in the factory, or for small power circuit to be used, for example, line of computer systems in the office.
- Oil, flexibility, flame retardant, use of shielded.
- Cable for RS485, RS422, RS232C.
- Rated voltage: Less than 100V. Temp: 75°C.

> Feature

- PE with excellent electrical characteristics for insulation.
- Oil, heat, flame retardant and soft PVC for sheath.
- Sheath material is non-migratory against ABS and PS resin.
- Chemical, water, abrasion, cold resistance PVC for sheath.
- Flame resisting : UL VW-1.
- With drain wire.

> Construction figure



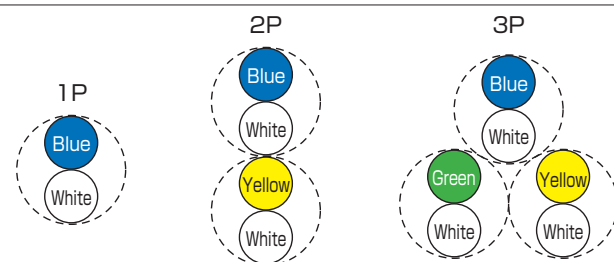
※Has arranged insulation cores and drain wire of an equal size.

> Surface marking



※R15 indicates "Compliant with RoHS Directive 2011/65/EU and Directive (EU) 2015/863 (10 substances)".

> Identification



The first core is white insulator, the second core is blue insulator. Moreover, numbering the pair number.

> Construction table

No. of pairs	Conductor			Polyethylene insulation		Oil heat flame-resistant flexible PVC sheath		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics			Allowable ampacity (A)	
	Size (AWG)	Construction (Line/mm)	Outside diameter (mm)	Outside diameter (inch)	Outside diameter (mm)	Overall diameter approx. (inch)	Overall diameter approx. (mm)		Conductor resistance (Ω/km20°C)	Insulation resistance (MΩ.km20°C)	Electrical strength (V/1min.)		
1P	19 (0.75mm)	30/0.18 (30/7.1mil)	1.1 (43mil)	0.083	2.1	0.311	7.9	57(85)	less than 26.6	more than 10K	1000	11	
2P						0.409	10.4						91(135)
3P						0.433	11.0						111(165)
1P	16 (1.25mm)	50/0.18 (50/7.1mil)	1.5 (59mil)	0.106	2.7	0.358	9.1	77(115)	less than 16.0	more than 10K	1000	16	
2P						0.488	12.4						131(195)
3P						0.516	13.1						158(235)

> Allowable Ampacity

·The allowable ampacity of this catalog is a value at one in the air construction and the ambient temperature 30°C.

·Allowable ampacity is calculated based on JCSO 168.

·Please multiply the following correction coefficient by the ambient temperature.

●Adjustment factors (at ambient temperature)

Ambient temperature (°C)	30	40	50	60	70	80	90	100
Adjustment factors	1.00	0.88	0.75	0.58	0.33	—	—	—

> Standard sales length

100m
(Sale by cutting short length is available.)