

# SSX10516 LF

## Wiring inside equipment

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

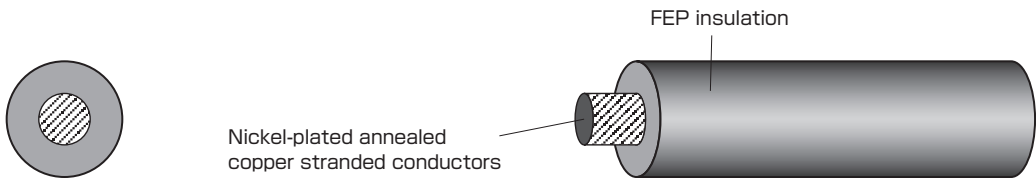
### > Application

- The permittivity and the dielectric substance loss are small, and it is the best for the electric circuit where the transmission speed improvement is required.
- Fluoroplastics resin insulated wire with UL at 600V, 200°C. (Category : AVL V2)

### > Feature

- Fluoroplastics is used for the insulation.
- Making to a minute diameter is achieved.
- It is excellent to heat, cold, oil, chemical, and solvents resistant.
- Flame resisting: UL VW-1.

### > Construction figure



### > Identification

- Black, white, red, yellow, blue, Y/G
- ※Y/G indicates green core with yellow stripe (30~50%).

>>> Meeting standard



Certification	UL AWM (10516)
Applicable standard	UL 758
Official symbol	UL STYLE 10516
Voltage rating	600V
Temperature rating	200°C
Conductor	UL 758
Flame rating	VW-1

### > Construction table

No. of cores	Conductor			FEP insulation		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics			Allowable ampacity (A)
	Size (AWG)	Construction (Line/mm)	Outside diameter (mm)	Overall diameter (inch)	Overall diameter (mm)		Conductor resistance (Ω/km20°C)	Insulation resistance (MΩkm20°C)	Electrical strength (V/1min.)	
1C	28 (0.0804mm)	7/0.127 (7/5mil)	0.38 (15mil)	0.031	0.78	1(2)	less than 222	more than 1000	2000	4.5
1C	26 (0.128mm)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.035	0.88	2(3)	less than 140	more than 1000	2000	6.1
1C	24 (0.204mm)	7/0.203 (7/8mil)	0.61 (24mil)	0.040	1.01	3(4)	less than 89.4	more than 1000	2000	8.2
1C	22 (0.324mm)	7/0.26 (7/10.2mil)	0.78 (31mil)	0.046	1.18	3(5)	less than 52.4	more than 1000	2000	11
1C	20 (0.518mm)	7/0.32 (7/12.6mil)	0.96 (38mil)	0.054	1.36	5(8)	less than 34.6	more than 1000	2000	15
1C	18 (0.823mm)	19/0.24 (19/9.4mil)	1.2 (47mil)	0.067	1.7	7(11)	less than 22.1	more than 1000	2000	21
1C	16 (1.30mm)	19/0.30 (19/11.8mil)	1.5 (59mil)	0.079	2.0	11(16)	less than 14.1	more than 1000	2000	28

### > Allowable ampacity

- The allowable ampacity of this catalog is a value at one in the air construction and the ambient temperature 30°C.
- Please multiply the following correction coefficient by the ambient temperature and the cable-laying conditions, etc.

#### ● Adjustment factors (at ambient temperature)

Ambient temperature (°C)	30	40	50	60	70	80	90	100	110	120	130
Adjustment factors	1.00	0.97	0.94	0.91	0.87	0.84	0.80	0.77	0.73	0.69	0.64
Ambient temperature (°C)	140	150	160	170	180	190					
Adjustment factors	0.59	0.54	0.49	0.42	0.34	0.24					

#### ● Adjustment factors (for multiple-line laying)

No. of conductors	2~3	4	5~6	7~15	16~40	41~60	61~
Adjustment factors	0.70	0.63	0.56	0.49	0.43	0.39	0.34

### > Standard sales length

- 28AWG~26AWG is 500m length.
- 24AWG~22AWG is 300m length.
- 20AWG~16AWG is 200m length or longer.