

# HK/20276XL LF

## Electronic equipment cable

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

Meeting standard



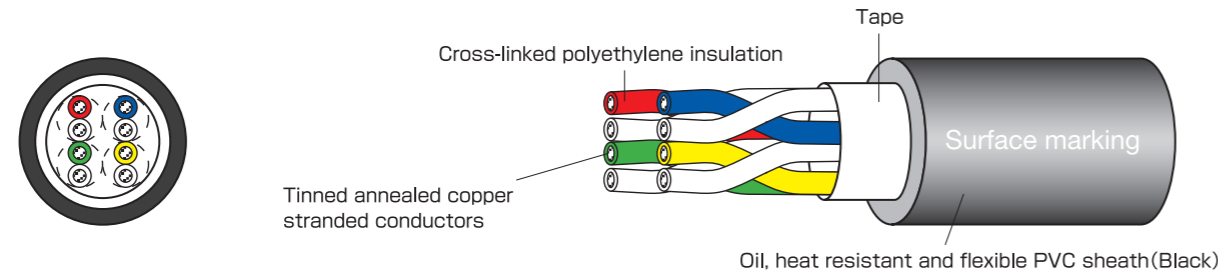
### Application

- Electric equipment cable with UL and cUL at 30V, 80°C. (Category : AVLV2, AVLV8)
- Cable for RS485, RS422.

### Feature

- Cross-linked polyethylene used for insulation.
- Oil, heat resistant and Flexible PVC sheath material is used.
- Filler of which dust doesn't go out easily is used.
- Flame resisting:UL VW-1, cUL FT1.

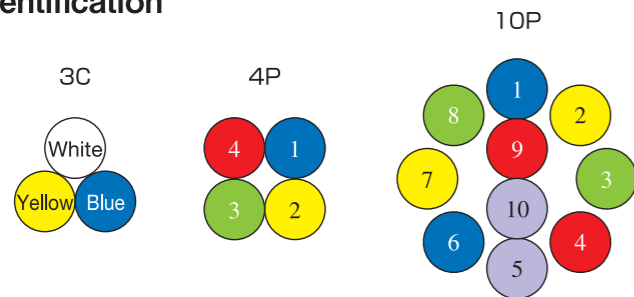
### Construction figure



### Surface marking

E67647 AWM 20276 80°C 30V VW-1 TAIYO AWM IIA 80°C 30V FT1 TAIYO LF R15

### Identification



Figures ○ indicate pair number in the identification table.

#### Identification table

Pair number	1	2	3	4	5	6	7	8	9	10
No.1 kind line	Blue	Yellow	Green	Red	Purple	Blue	Yellow	Green	Red	Purple
No.2 kind line	White					Brown				
Pair number	11	12	13	14	15	16	17	18	19	20
No.1 kind line	Blue	Yellow	Green	Red	Purple	Blue	Yellow	Green	Red	Purple
No.2 kind line	Black					Gray				
Pair number	21	22	23	24	25					
No.1 kind line	Blue	Yellow	Green	Red	Purple					
No.2 kind line	Orange									

Certification	UL AWM	cUL
Applicable standard	UL 758	CSA C22.2 No.210
Official symbol	UL STYLE 20276	CSA AWM IIA
Voltage rating	30V	30V
Temperature rating	80°C	80°C
Conductor	UL 758	CSA C22.2 No.210
Flame rating	VW-1	FT1

### Construction table

No. of cores	Conductor			Cross-linked polyethylene insulation		Oil, heat - 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 (MΩkm20°C)	Electrical strength (V/1 min.)	
3C	26 (0.128mil)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.035	0.88	0.150	3.8	11(17)	less than 154	more than 1000	500	4.0
3C	24 (0.204mil)	7/0.203 (7/8mil)	0.61 (24mil)	0.044	1.11	0.169	4.3	15(22)	less than 98.3	more than 1000	500	5.3
3C	22 (0.324mil)	7/0.26 (7/10.2mil)	0.78 (31mil)	0.054	1.38	0.193	4.9	20(30)	less than 63.2	more than 1000	500	7.0

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	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 (MΩkm20°C)	Electrical strength (V/1 min.)	
1P						0.146	3.7	10(15)				4.8
2P						0.177	4.5	15(23)				3.7
3P						0.197	5.0	20(30)				3.2
4P						0.213	5.4	22(33)				2.9
5P						0.228	5.8	26(39)				2.7
6P						0.248	6.3	30(45)				2.5
7P	26 (0.128mil)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.035	0.88	0.248	6.3	32(47)	less than 154	more than 1000	500	2.3
8P						0.283	7.2	37(55)				2.3
10P						0.283	7.2	44(65)				2.1
12P						0.311	7.9	50(75)				2.0
15P						0.343	8.7	57(85)				1.8
18P						0.370	9.4	71(105)	1.7			
20P						0.406	10.3	77(115)	1.7			
25P						0.433	11.0	94(140)	1.6			
1P						0.161	4.1	13(19)				6.3
2P						0.205	5.2	22(32)				5.0
3P						0.228	5.8	26(39)				4.3
4P						0.248	6.3	32(47)				3.9
5P						0.268	6.8	37(55)				3.6
6P						0.287	7.3	40(60)				3.4
7P	24 (0.204mil)	7/0.203 (7/8mil)	0.61 (24mil)	0.044	1.11	0.287	7.3	44(65)	less than 98.3	more than 1000	500	3.1
8P						0.335	8.5	54(80)				3.1
10P						0.335	8.5	60(90)				2.8
12P						0.378	9.6	74(110)				2.7
15P						0.417	10.6	87(130)				2.5
18P						0.441	11.2	101(150)	2.3			
20P						0.488	12.4	114(170)	2.3			
25P						0.524	13.3	134(200)	2.1			
1P						0.185	4.7	17(25)				8.3
2P						0.236	6.0	30(44)				6.6
3P						0.268	6.8	37(55)				5.7
4P						0.291	7.4	44(65)				5.2
5P						0.315	8.0	50(75)				4.8
6P						0.343	8.7	60(90)				4.6
7P	22 (0.324mil)	7/0.26 (7/10.2mil)	0.78 (31mil)	0.054	1.38	0.343	8.7	64(95)	less than 63.2	more than 1000	500	4.2
8P						0.409	10.4	81(120)				4.2
10P						0.409	10.4	94(140)				3.8
12P						0.457	11.6	111(165)				3.6
15P						0.504	12.8	131(195)				3.4
18P						0.531	13.5	155(230)	3.2			
20P						0.622	15.8	192(285)	3.1			
25P						0.665	16.9	228(340)	2.9			

### 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 JCS0168.
- 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	0.89	0.77	0.63	0.45	—	—	—

### Standard sales length

100m (Sales by short length is available for large sizes. Please contact us which sizes are available.)