

HK-SB/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



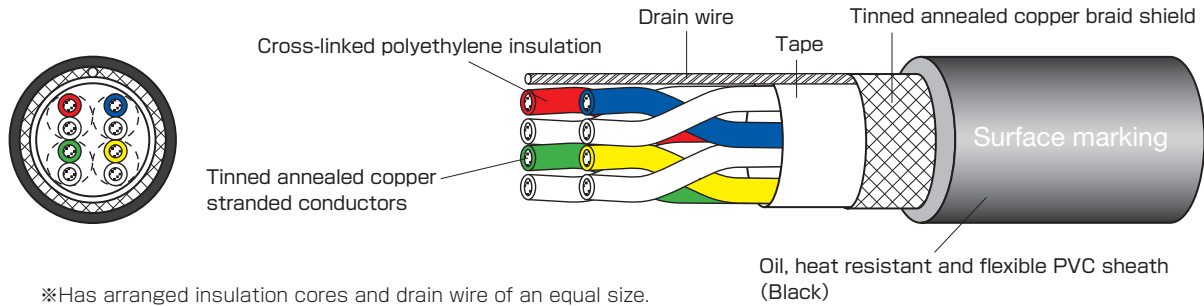
Application

- Shielded 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.
- With drain wire.
- Flame resisting:UL VW-1, cUL FT1.

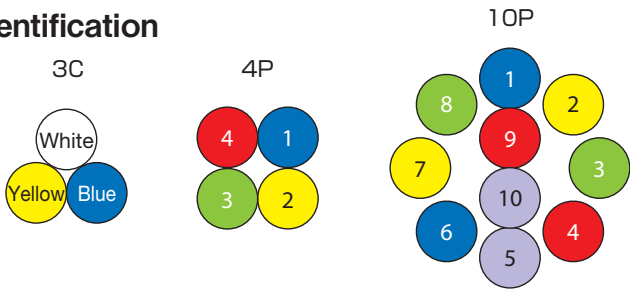
Construction figure



Surface marking

E67647 AWM 20276 80°C 30V VW-1 TAIYO AWM IIA 80°C 30V FT1 TAIYO LF R15
※R15 indicates "Compliant with RoHS Directive 2011/65/EU and Directive (EU) 2015/863 (10 substances)".

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 (MΩ.km20°C)	Electrical strength (V/1min.)	
3C	26 (0.128mm)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.035	0.88	0.173	4.4	19(28)	less than 154	more than 1000	500	4.1
3C	24 (0.204mm)	7/0.203 (7/8mil)	0.61 (24mil)	0.044	1.11	0.193	4.9	24(36)	less than 98.3	more than 1000	500	5.5
3C	22 (0.324mm)	7/0.26 (7/10.2mil)	0.78 (31mil)	0.054	1.38	0.217	5.5	32(47)	less than 63.2	more than 1000	500	7.2

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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 (MΩ.km20°C)	Electrical strength (V/1min.)	
1P	26 (0.128mm)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.035	0.88	0.169	4.3	17(26)	less than 154	more than 1000	500	5.0
2P						0.201	5.1	25(37)				3.9
3P						0.220	5.6	30(45)				3.3
4P						0.236	6.0	34(50)				3.0
5P						0.252	6.4	37(55)				2.7
6P						0.272	6.9	44(65)				2.6
7P						0.272	6.9	47(70)				2.4
8P						0.307	7.8	54(80)				2.4
10P						0.307	7.8	57(85)				2.1
12P						0.335	8.5	67(100)				2.0
15P	24 (0.204mm)	7/0.203 (7/8mil)	0.61 (24mil)	0.044	1.11	0.374	9.5	81(120)	less than 98.3	more than 1000	500	1.9
18P						0.398	10.1	94(140)				1.8
20P						0.433	11.0	104(155)				1.7
25P						0.461	11.7	121(180)				1.6
1P						0.185	4.7	21(31)				6.5
2P						0.228	5.8	32(48)				5.1
3P						0.252	6.4	40(60)				4.4
4P						0.272	6.9	47(70)				4.0
5P						0.291	7.4	50(75)				3.7
6P						0.311	7.9	57(85)				3.5
7P	22 (0.324mm)	7/0.26 (7/10.2mil)	0.78 (31mil)	0.054	1.38	0.311	7.9	60(90)	less than 63.2	more than 1000	500	3.2
8P						0.366	9.3	77(115)				3.2
10P						0.366	9.3	84(125)				2.9
12P						0.406	10.3	97(145)				2.7
15P						0.445	11.3	114(170)				2.6
18P						0.469	11.9	131(195)				2.4
20P						0.520	13.2	151(225)				2.4
25P						0.555	14.1	175(260)				2.2
1P						0.209	5.3	28(41)				8.6
2P						0.260	6.6	44(65)				6.8
3P						0.291	7.4	54(80)				5.9
4P						0.315	8.0	64(95)				5.3
5P						0.339	8.6	71(105)				4.9
6P						0.374	9.5	84(125)				4.7
7P						0.374	9.5	91(135)				4.3
8P						0.437	11.1	111(165)				4.3
10P						0.437	11.1	124(185)				3.9
12P						0.484	12.3	144(215)				3.7
15P						0.535	13.6	171(255)				3.5
18P						0.563	14.3	195(290)				3.2
20P						0.654	16.6	239(355)				3.2
25P						0.697	17.7	279(415)				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 JCSO168.
- 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.)