

CM/2464-1061/IA-SB LF

Electronic equipment cable

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

Application

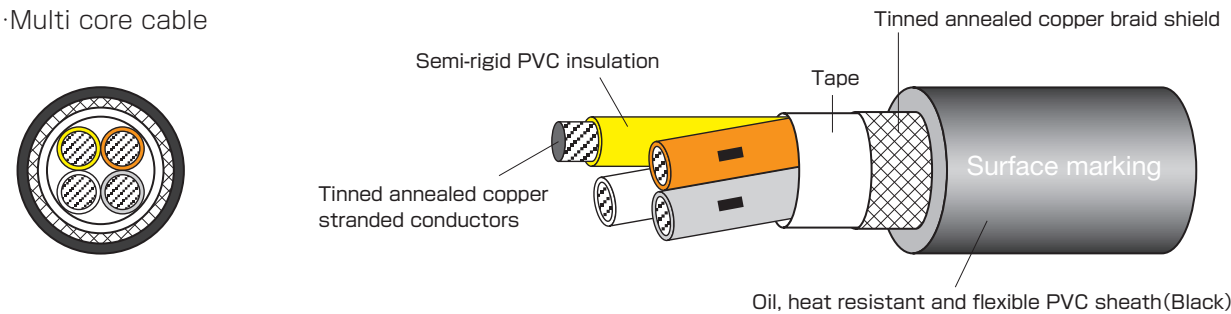
- Cable for RS232C (Only multi pair cables).
- It is possible to use it as a communication tray cable.
- The substitutions for UL13 CL3, CL3X shall be permitted.
- Shielded Electric equipment cable with UL and cUL at 300V, 80°C. (Category : DUZX, DUZX7, AVLV2, AVLV8)
- Obtaining UL Listed CM, this cable compliants to NFPA70,79.

Feature

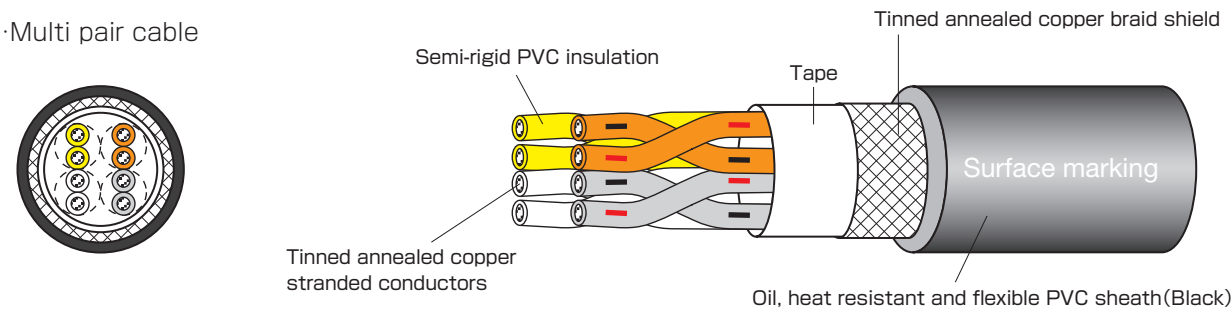
- Semi-rigid PVC used for insulation.
- Oil, heat resistant and Flexible PVC sheath material is used.
- Flame resisting:UL VW-1, cUL FT1.
- It passes Vertical-Tray Flame Test of UL.

Construction figure

Multi core cable



Multi pair cable



Surface marking



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

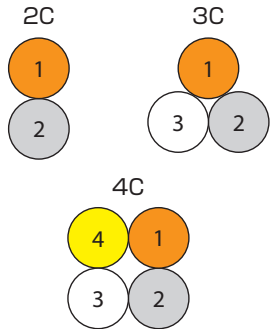
Meeting standard

Certification	UL CM	cUL CM	UL AWM	cUL AWM
Applicable standard	UL 444	CSA C22.2 No.214	UL 758	CSA C22.2 No.210
Official symbol	CM	CM	UL STYLE 2464	CSA AWM IIA
Voltage rating	300V	300V	300V	300V
Temperature rating	75°C	75°C	80°C	80°C
Conductor	UL 444	CSA C22.2 No.214	UL 758	CSA C22.2 No.210
Flame rating	Vertical-Tray Flame Test	Vertical-Tray Flame Test	VW-1	FT1



Identification

2C~4C

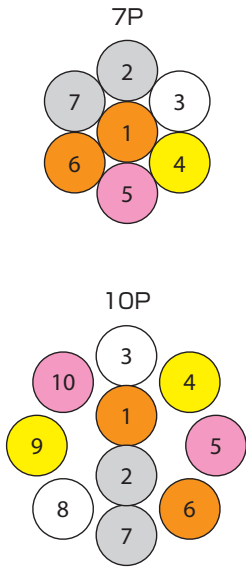


Identification table 1

Line number	Color of insulation	Dot mark
1	Orange	—
2	Gray	—
3	White	—
4	Yellow	—
5	Peach	—
6	Orange	—
7	Gray	—
8	White	—
9	Yellow	—
10	Peach	—

Figures ○ indicate core number in the identification table 1.
※A short point is 1mm, the length point is 2mm, the interval is 1mm, and the pitch is about 12mm.

Multi pair cable



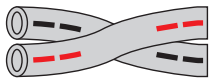
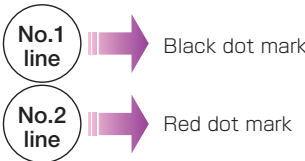
Identification table 2

Pair number	Color of insulation	Dot mark
1	Orange	—
2	Gray	—
3	White	—
4	Yellow	—
5	Peach	—
6	Orange	—
7	Gray	—
8	White	—
9	Yellow	—
10	Peach	—
11	Orange	—
12	Gray	—
13	White	—
14	Yellow	—
15	Peach	—

Pair number	Color of insulation	Dot mark
16	Orange	—
17	Gray	—
18	White	—
19	Yellow	—
20	Peach	—
21	Orange	— (Continuation)
22	Gray	— (Continuation)
23	White	— (Continuation)
24	Yellow	— (Continuation)
25	Peach	— (Continuation)
26	Orange	— (Continuation)
27	Gray	—
28	White	—
29	Yellow	—
30	Peach	—

Figures ○ indicate pair number in the identification table 2.
※A short point is 1mm, the length point is 2mm, the interval is 1mm, and the pitch is about 12mm.

Example of pare



The color of the insulator, the 1st and 2nd core is the same color.
The color of the 1st kind and the 2nd kind of dot mark is a black and red.

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>>> Meeting standard



Construction table

No. of cores	Conductor			Semi-rigid PVC 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℃)	Insulation resistance (MΩ km20℃)	Electrical strength (V/1min.)	
2C	24 (0.204mm)	7/0.203 (7/8mil)	0.61 (24mil)	0.045	1.15	0.189	4.8	21(31)	less than 97.5	more than 10	2000	6.4
3C						0.197	5.0	24(35)				5.4
4C						0.209	5.3	28(41)				4.9

No. of pairs	Conductor			Semi-rigid PVC 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℃)	Insulation resistance (MΩ km20℃)	Electrical strength (V/1min.)	
5P	28 (0.0804mm)	7/0.172 (7/6.8mil)	0.38 (15mil)	0.035	0.88	0.244	6.2	34(50)	less than 227	more than 10	2000	2.2
8P						0.295	7.5	47(70)				1.9
10P						0.295	7.5	50(75)				1.7
13P						0.339	8.6	64(95)				1.6
15P						0.354	9.0	70(105)				1.5
20P						0.409	10.4	94(140)				1.4
25P						0.437	11.1	107(160)				1.3
1P						0.177	4.5	18(27)				5.1
2P						0.209	5.3	27(40)				4.0
3P						0.232	5.9	32(48)				3.4
4P	26 (0.128mm)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.039	1.00	0.248	6.3	37(55)	less than 146	more than 10	2000	3.1
5P						0.264	6.7	40(60)				2.8
6P						0.283	7.2	47(70)				2.7
7P						0.283	7.2	50(75)				2.5
8P						0.323	8.2	57(85)				2.5
10P						0.323	8.2	64(95)				2.2
12P						0.354	9.0	74(110)				2.1
15P						0.394	10.0	91(135)				2.0
18P						0.413	10.5	104(155)				1.8
20P						0.453	11.5	114(170)				1.8
25P	24 (0.204mm)	7/0.203 (7/8mil)	0.61 (24mil)	0.045	1.15	0.484	12.3	134(200)	less than 97.5	more than 10	2000	1.7
30P						0.504	12.8	158(235)				1.6
3P						0.252	6.4	37(55)				4.4
4P						0.272	6.9	44(65)				3.9
5P						0.291	7.4	50(75)				3.6
6P						0.311	7.9	60(90)				3.4
7P						0.311	7.9	64(95)				3.2
8P						0.358	9.1	74(110)				3.2
10P						0.358	9.1	81(120)				2.9
12P						0.398	10.1	97(145)				2.7
15P	20P					0.437	11.1	118(175)				2.5
18P						0.457	11.6	134(200)				2.4
20P						0.508	12.9	155(230)				2.3
25P						0.543	13.8	181(270)				2.2
30P						0.563	14.3	205(305)				2.0

Allowable ampacity

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

·Allowable ampacity is calculated based on JCS0168.

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

Note) Please refer to P.270 when you use this cable according to NFPA70.

● Adjustment factors(at ambient temperature)

Ambient temperature (℃)	30	40	50	60	70	80	90	100
Adjustment factors	1.00	0.89	0.77	0.63	0.45	—	—	—

Standard sales length

100m