CM/2464-1061/ⅡA 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

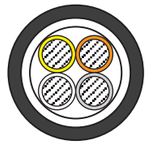
- Cable for RS232C (Only multi pair cables).
- It is possible to use it as a communication tray cable.
- The substitutions for UL13 CL3, CL3X shall be permitted.
- Electric equipment cable with UL and cUL at 300V, 80℃.
  (Category: DUZX, DUZX7, AVLV2, AVLV8)
- Obtaining UL Listed CM, this cable compliants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

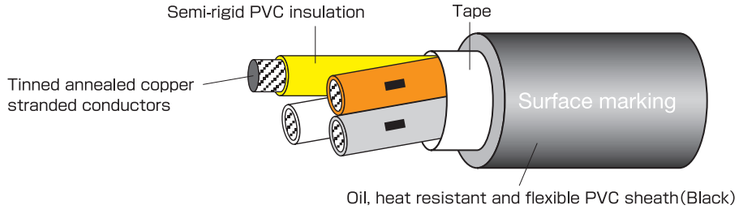
> Feature

- 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.

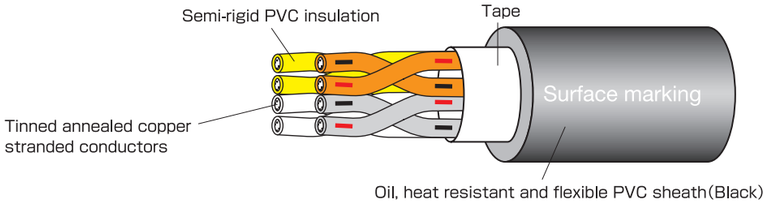
> Construction figure

·Multi core cable





·Multi pair cable



> Surface marking

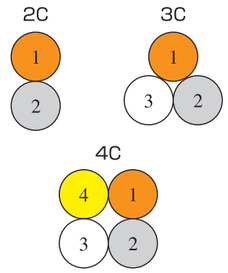
E176892(UL) CM □□AWG 75℃ or AWM 2464 80℃ 300V VW-1 or c(UL) CM □□AWG 75℃ or AWM ⅡA 80℃ 300V FT1 TAIYO LF R15

> > > 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℃	75℃	80℃	80℃
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

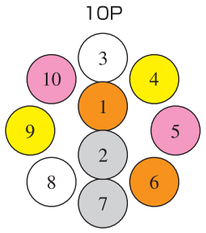


●Identification table1

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



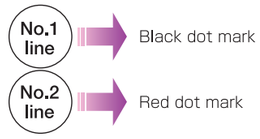
●Identification table2

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) / ▬ ▬ ▬ ▬ ▬ (Continuation)
22	Gray	▬ ▬ ▬ ▬ ▬ (Continuation) / ▬ ▬ ▬ ▬ ▬ (Continuation)
23	White	▬ ▬ ▬ ▬ ▬ (Continuation) / ▬ ▬ ▬ ▬ ▬ (Continuation)
24	Yellow	▬ ▬ ▬ ▬ ▬ (Continuation) / ▬ ▬ ▬ ▬ ▬ (Continuation)
25	Peach	▬ ▬ ▬ ▬ ▬ (Continuation) / ▬ ▬ ▬ ▬ ▬ (Continuation)
26	Orange	▬ / ▬
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.

CM/2464-1061/ⅡA LF

Electronic equipment cable

> 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 (MΩkm20℃)	Electrical strength (V/1min.)	
3C	26 (0.128㎟)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.039	1.00	0.161	4.1	13(19)	less than 146	more than 10	2000	4.1
2C						0.165	4.2	13(20)				6.3
3C	24 (0.204㎟)	7/0.203 (7/8mil)	0.61 (24mil)	0.045	1.15	0.173	4.4	15(23)	less than 97.5	more than 10	2000	5.3
4C						0.185	4.7	19(28)				4.7

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 (MΩkm20℃)	Electrical strength (V/1min.)	
1P	26 (0.128㎟)	7/0.16 (7/6.3mil)	0.48 (19mil)	0.039	1.00	0.154	3.9	11(16)	less than 146	more than 10	2000	4.9
2P						0.185	4.7	18(27)				3.8
3P						0.209	5.3	22(33)				3.3
4P						0.224	5.7	26(38)				3.0
5P						0.240	6.1	30(44)				2.8
6P						0.260	6.6	34(50)				2.6
7P						0.260	6.6	37(55)				2.4
8P						0.299	7.6	40(60)				2.4
10P						0.299	7.6	47(70)				2.2
12P						0.331	8.4	57(85)				2.1
15P						0.366	9.3	67(100)				1.9
18P						0.386	9.8	77(115)				1.8
20P						0.425	10.8	87(130)				1.8
25P						0.457	11.6	104(155)				1.6
30P						0.472	12.0	121(180)				1.5
3P	24 (0.204㎟)	7/0.203 (7/8mil)	0.61 (24mil)	0.045	1.15	0.228	5.8	26(39)	less than 97.5	more than 10	2000	4.3
4P						0.248	6.3	32(47)				3.8
5P						0.268	6.8	37(55)				3.6
6P						0.287	7.3	44(65)				3.4
7P						0.287	7.3	47(70)				3.1
8P						0.335	8.5	54(80)				3.1
10P						0.335	8.5	64(95)				2.8
12P						0.370	9.4	74(110)				2.7
15P						0.409	10.4	91(135)				2.5
18P						0.429	10.9	104(155)				2.3
20P						0.476	12.1	118(175)				2.3
25P						0.512	13.0	141(210)				2.1
30P						0.531	13.5	165(245)				2.0

> > > Meeting standard

> 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.274 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