

CM/2464-1007/IIA LF

Electronic equipment cable

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

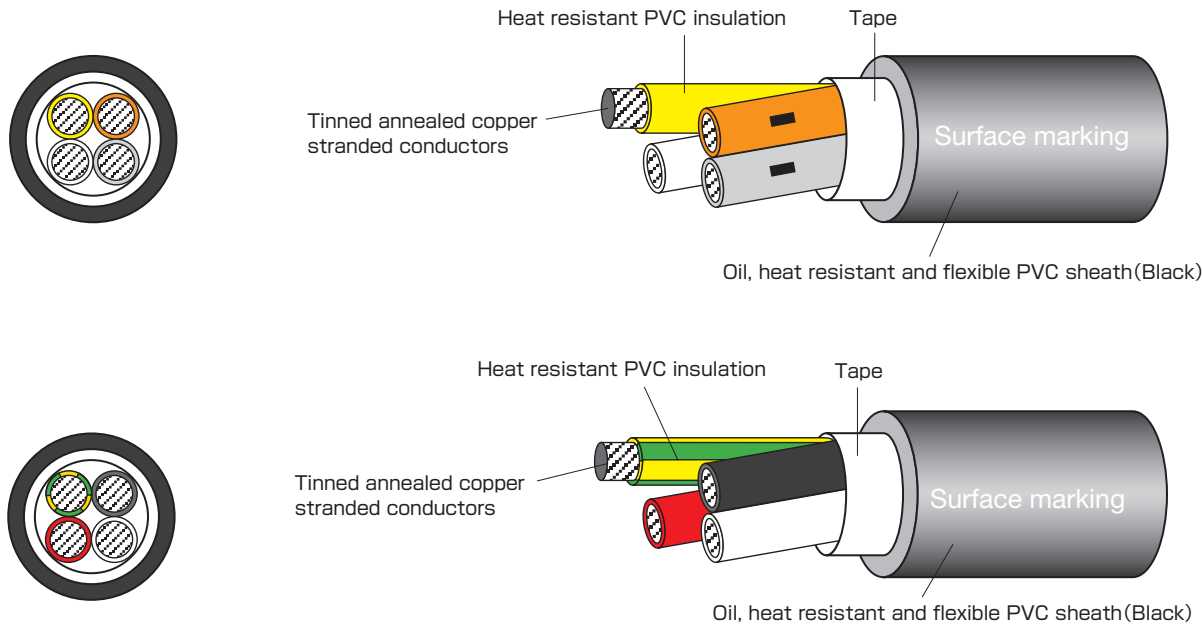
Application

- 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°C.
(Category : DUZX, DUZX7, AVL2, AVL8)
- Obtaining UL Listed CM, this cable compliants to NFPA70,79.

Feature

- Heat resistant 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



Surface marking

E176892 (UL) CM □□AWG 75°C or AWM 2464 80°C 300V VW-1 or c(UL) CM □□AWG 75°C or AWM IIA 80°C 300V FT1 TAIYO LF R15

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

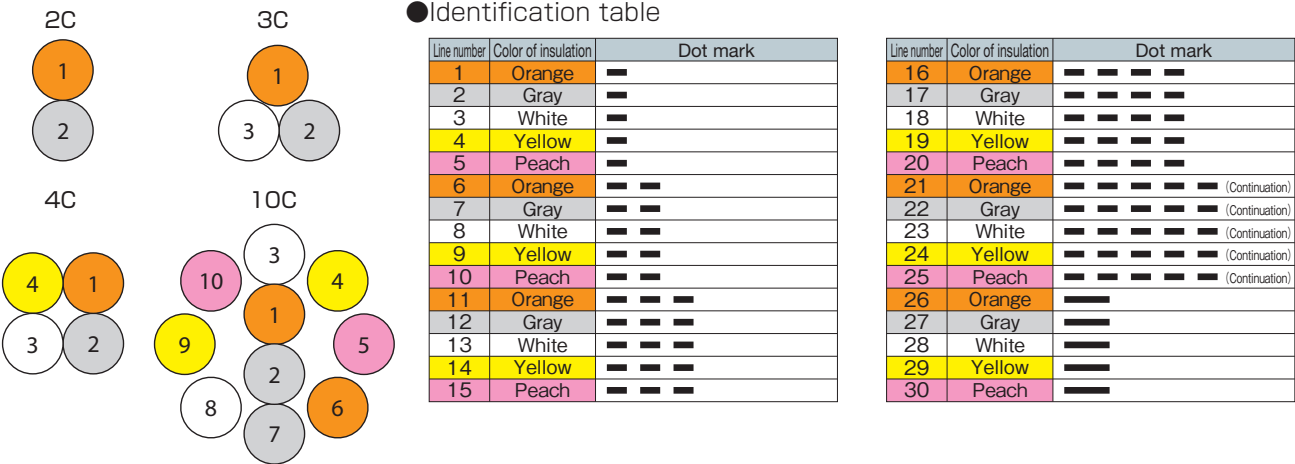
>>> Meeting standard



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

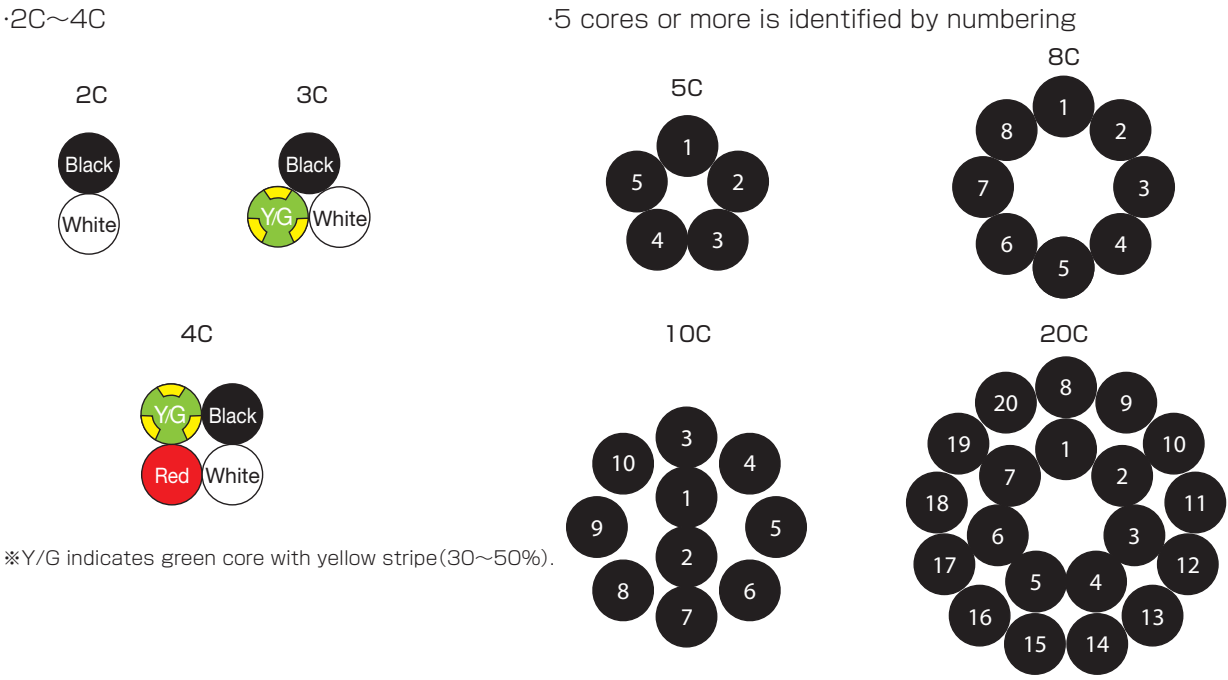
Identification

(1)For 22 and 20AWG



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

(2)For 18 and 16AWG(※20AWG is 2, 3, 4C only).



※Y/G indicates green core with yellow stripe(30~50%).

Figures in ○ indicate white numbering on black insulator.



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>>> Meeting standard



> Construction table

No. of cores	Conductor			Heat resistant 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°C)	Insulation resistance (MΩ km20°C)	Electrical strength (V/1min.)		
2C							0.217	5.5	23(34)				9.0
3C							0.224	5.7	26(38)				7.6
4C							0.244	6.2	31(46)				6.8
5C							0.260	6.6	37(55)				6.3
6C	22 (0.324mm)	17/0.16 (17/6.3mil)	0.76 (30mil)	0.066	1.68		0.280	7.1	40(60)	less than 57.5	more than 10	2000	6.0
8C						0.323	8.2	54(80)	5.5				
10C						0.346	8.8	64(95)	5.1				
12C						0.358	9.1	71(105)	4.8				
16C						0.394	10.0	87(130)	4.3				
20C							0.433	11.0	108(160)				4.0
30C							0.508	12.9	151(225)				3.5
2C							0.228	5.8	26(39)				11
3C							0.240	6.1	32(48)				9.9
4C							0.260	6.6	37(55)				8.9
6C							0.303	7.7	54(80)				7.8
8C	20 (0.518mm)	21/0.18 (21/7.1mil)	0.95 (37mil)	0.074	1.87		0.350	8.9	67(100)	less than 36.2	more than 10	2000	7.3
10C						0.378	9.6	81(120)	6.7				
12C						0.390	9.9	91(135)	6.2				
16C						0.429	10.9	114(170)	5.7				
20C						0.472	12.0	141(210)	5.3				
24C							0.524	13.3	168(250)				5.0
30C							0.555	14.1	198(295)				4.6
2C							0.252	6.4	34(50)				15
3C							0.264	6.7	44(65)				15
4C							0.283	7.2	50(75)				13
6C							0.335	8.5	71(105)				10
8C	18 (0.823mm)	35/0.18 (35/7.1mil)	1.2 (47mil)	0.083	2.1		0.386	9.8	94(140)	less than 22.8	more than 10	2000	9.5
10C						0.417	10.6	111(165)	8.9				
12C						0.433	11.0	128(190)	8.2				
16C						0.476	12.1	161(240)	7.5				
20C						0.528	13.4	198(295)	7.0				
30C							0.661	16.8	306(455)				6.1
2C							0.276	7.0	44(65)				20
3C	16 (1.30mm)	26/0.26 (26/10.2mil)	1.5 (59mil)	0.096	2.45		0.291	7.4	57(85)	less than 14.3	more than 10	2000	20
4C						0.315	8.0	71(105)	17				
6C						0.374	9.5	94(140)	13				

> 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. Allowable ampacity is calculated excluding grounding conductor.

·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