

CL2/2464-3599-DS LF

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

Electronic equipment cable

Meeting standard



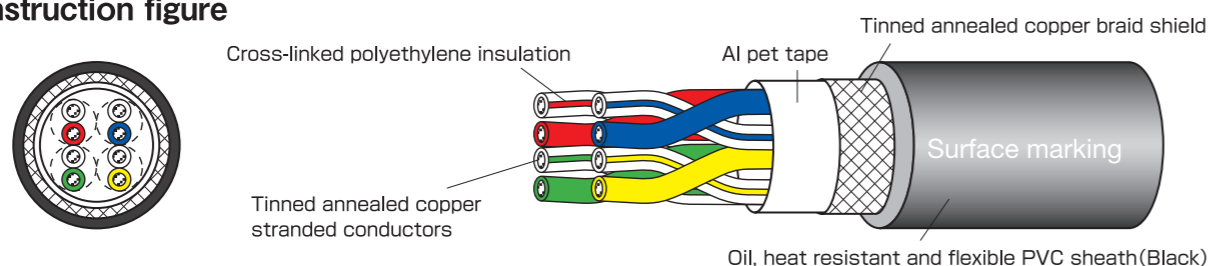
Application

- Cable for RS485, RS422.
- It is possible to use it as a signal, remote control tray cable.
- Double Shielded Electric equipment cable with UL and cUL at 300V, 80°C. (Category : QPTZ, AVLV2, AVLV8)
- Obtaining UL Listed CL2, this cable compliants to NFPA70,79.

Feature

- Cross-linked polyethylene used for insulation.
- Oil, heat resistant and Flexible PVC sheath material is used.
- Characteristic impedance : 100±15Ω(5MHz)(differential).
- Flame resisting:UL VW-1, cUL FT1.
- It passes Vertical-Tray Flame Test of UL.

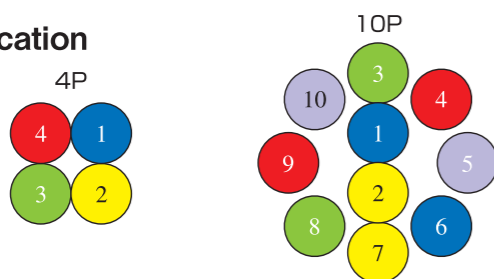
Construction figure



Surface marking

E242171 (UL) CL2 75°C □□AWG or AWM 2464 80°C 300V VW-1 E67647 AWM IIA 80°C 300V 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	Blue/White	Yellow/White	Green/White	Red/White	Purple/White	Blue/Brown	Yellow/Brown	Green/Brown	Red/Brown	Purple/Brown
Pair number	11	12	13	14	15					
No.1 kind line	Blue	Yellow	Green	Red	Purple					
No.2 kind line	Blue/Black	Yellow/Black	Green/Black	Red/Black	Purple/Black					

White/Black indicates black core with white stripe.

Certification	UL CL2	UL AWM	cUL AWM
Applicable standard	UL 13	UL 758	CSA C22.2 No.210
Official symbol	CL2	UL STYLE 2464	CSA AWM II A
Voltage rating	150V	300V	300V
Temperature rating	75°C	80°C	80°C
Conductor	UL 13	UL 758	CSA C22.2 No.210
Flame rating	Vertical-Tray Flame Test	VW-1	FT1

Construction table

No. of pairs	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.)	
1P							0.201	5.1	24(35)			6.6
2P							0.264	6.7	37(55)			5.3
3P							0.280	7.1	44(65)			4.5
4P	24	7/0.203	0.61	0.047	1.2		0.303	7.7	50(75)	less than 97.5	more than 100	4.1
5P	(0.204mil)	(7/8mil)	(24mil)				0.327	8.3	57(85)			3.8
7P							0.350	8.9	67(100)			3.3
10P							0.406	10.3	94(140)			3.0
15P							0.492	12.5	124(185)			2.6
1P							0.224	5.7	29(43)			9.0
2P							0.299	7.6	50(75)			7.3
3P							0.319	8.1	57(85)			6.2
4P	22	7/0.26	0.78	0.059	1.5		0.346	8.8	71(105)	less than 57.5	more than 100	5.6
5P	(0.324mil)	(7/10.2mil)	(31mil)				0.374	9.5	81(120)			5.2
7P							0.406	10.3	97(145)			4.6
10P							0.472	12.0	131(195)			4.1
15P							0.618	15.7	205(305)			3.7
1P							0.244	6.2	34(50)			11
2P							0.335	8.5	60(90)			9.7
3P							0.358	9.1	74(110)			8.3
4P	20	21/0.18	0.95	0.069	1.75		0.394	10.0	91(135)	less than 36.2	more than 100	7.5
5P	(0.518mil)	(21/7.1mil)	(37mil)				0.425	10.8	104(155)			7.0
7P							0.461	11.7	124(185)			6.1
10P							0.543	13.8	175(260)			5.5
15P							0.705	17.9	269(400)			4.9
1P							0.295	7.5	50(75)			16
2P							0.425	10.8	94(140)			13
3P	18	35/0.18	1.20	0.094	2.4		0.457	11.6	114(170)	less than 22.8	more than 100	11
5P	(0.823mil)	(35/7.1mil)	(47mil)				0.551	14.0	168(250)			9.6
10P							0.744	18.9	309(460)			7.6
1P							0.339	8.6	64(95)			21
2P							0.492	12.5	124(185)	less than 14.3	more than 100	17
3P	16	26/0.26	1.50	0.114	2.9		0.535	13.6	158(235)			15

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.
- Note) Please refer to P.274 when you use this cable according to NFPA70.

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.)