

CL2/2464-3599-DS LF

Electronic equipment cable

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

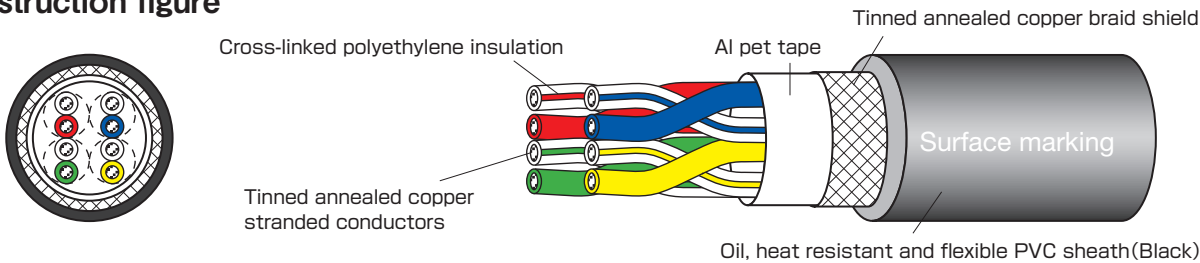
Application

- 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.

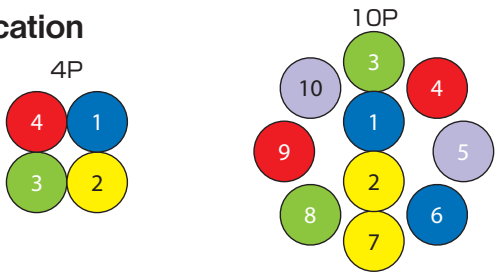
Construction figure



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
※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		1	2	3	4	5	6	7	8	9	10
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.

>>> Meeting standard



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	2000	4.1
5P	(0.204mm)	(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	2000	5.6
5P	(0.324mm)	(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	2000	7.5
5P	(0.518mm)	(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)	less than 22.8	more than 100	2000	13
3P	18	35/0.18	1.20	0.094	2.4	0.457	11.6	114(170)				11
5P	(0.823mm)	(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)	less than 14.3	more than 100	2000	21
2P	16	26/0.26	1.50	0.114	2.9	0.492	12.5	124(185)				17
3P	(1.30mm)	(26/10.2mil)	(59mil)			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.270 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.)