

## VCTF LF



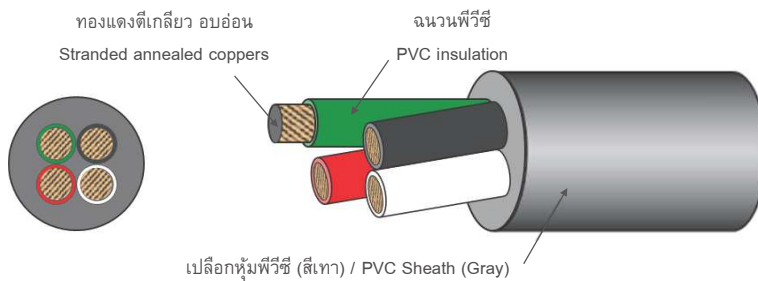
สายเคเบิล หุ้มฉนวนพีวีซี มีความยืดหยุ่น เหมาะสำหรับเชื่อมต่อระหว่างเครื่องจักรและอุปกรณ์ไฟฟ้า แรงดันไฟฟ้าไม่เกิน 300 โวลต์

Polyvinyl chloride insulated flexible cords. Use connect machine and small electric appliance of AC 300V.

## คุณสมบัติพิเศษ / Special properties

- สายมีความอ่อนตัว
- Flexibility

## โครงสร้างของสายไฟ / Cable construction



## สัญลักษณ์บนสายไฟ / Marking surface

>> Size 0.3SQ, 0.5SQ (2-6 cores made in Thailand)



>> Size 0.75SQ, 3.5SQ (2-6 cores made in Thailand)



>> Size 0.3SQ, 0.5SQ (>6 cores made in Japan)



>> Size 0.75SQ or larger (>6 cores made in Japan)



◇◇ : Inspection agency name

## การจำแนก / Identification

No. of core	1	2	3	4	5	6	7	8	9	10
Core identification	White	Black	Red	Green	Yellow	Brown	Blue	Gray	Orange	Sky blue
No. of core	11	12	13	14	15	16	17	18	19	20
Core identification	Pink	Light green	Black / White	Red / Black	Green / Black	Yellow / Black	Brown / Black	Blue / Black	Gray / Black	Orange / Black
No. of core	21	22	23	24	25	26	27	28	29	30
Core identification	Sky blue / Black	Pink / Black	Light green / Black	Black / White	Red / White	Green / White	Brown / White	Blue / White	White / Blue	Yellow / Blue

\*Black / White : Black dot / White insulation

- Heat resistance ★
- Flexibility ★★
- Oil resistance ★
- Non-Migratory ★
- Noise resistance ★
- Transport property ★★
- Flame retardance ★★★
- \*The characteristic is an aim.



ข้อมูลทางเทคนิคและโครงสร้างของสายไฟ / Technical data and cable construction

Certification	PSE
Official Code	VCTF
Voltage rating	300V
Temperature rating	60°C
Conductor code	JIS C3102
Flame rating	JIS C3005 4.26.2b

\* Size 0.3, 0.5 SQ.mm is out of PSE

No. of cores	Conductor			Insulation		Sheath		Electrical characteristic			Approx weight (kg/km)	Allowable ampacity (A)
	Area (mm <sup>2</sup> )	Construction	Outer diameter (mm)	Thickness (mm)	Outer diameter (mm)	Thickness (mm)	Overall diameter (mm)	Conductor resistance (Ω/km20°C)	Insulation resistance (MΩ.km20°C)	Electrical strength (V/1min)		
2C**						0.8	4.6				29	3.0
3C**						0.8	4.8				35	3.0
4C**						0.8	5.2				40	3.0
5C**						0.8	5.7				50	3.0
6C**						0.8	6.1				60	3.0
7C						0.8	6.1				60	3.0
8C	0.3	12/0.18	0.7	0.4	1.5	0.8	6.6	Max. 62.9	Min. 5	2000	70	3.0
10C						0.8	7.8				75	3.0
12C						0.9	8.2				90	3.0
16C						0.9	9.1				110	3.0
20C						0.9	9.8				135	2.9
24C						1.0	10.9				165	2.8
30C						1.0	11.8				195	2.6
2C**						1.0	5.8				45	5.0
3C**						1.0	6.1				55	5.0
4C**						1.0	6.6				65	5.0
5C**						1.0	7.1				80	5.0
6C**						1.0	7.7				95	5.0
7C						1.0	7.7				95	5.0
8C	0.5	20/0.18	0.9	0.5	1.9	1.0	8.3	Max. 37.8	Min. 5	2000	110	5.0
10C						1.0	9.8				125	5.0
12C						1.0	10.1				140	4.9
16C						1.0	11.1				175	4.4
20C						1.0	12.0				210	4.1
24C						1.0	13.2				250	3.9
30C						1.1	14.6				310	3.6
2C**						1.0	6.6				60	7.0
3C**						1.0	7.0				75	7.0
4C**						1.0	7.6				90	7.0
5C**						1.0	8.2				105	7.0
6C**						1.0	8.9				125	7.0
7C						1.0	8.9				130	7.0
8C	0.75	30/0.18	1.1	0.6	2.3	1.0	9.6	Max. 25.1	Min. 5	2000	150	7.0
10C						1.0	11.4				170	6.9
12C						1.0	11.8				195	6.4
16C						1.0	13.0				245	5.8
20C						1.1	14.3				300	5.4
24C						1.1	15.8				360	5.1
30C						1.2	17.4				445	4.8

\*\* Made in Thailand

\*มีต่อหน้าถัดไป / Continue next page

- Heat resistance ★
- Flexibility ★★
- Oil resistance ★
- Non-Migratory ★
- Noise resistance ★
- Transport property ★★
- Flame retardance ★★★
- \*The characteristic is an aim.

### โครงสร้างของสายไฟ / Cable construction

No. of cores	Conductor			Insulation		Sheath		Electrical characteristic			Approx weight (kg/km)	Allowable ampacity (A)
	Area (mm <sup>2</sup> )	Construction	Outer diameter (mm)	Thickness (mm)	Outer diameter (mm)	Thickness (mm)	Overall diameter (mm)	Conductor resistance (Ω/km20°C)	Insulation resistance (MΩ.km20°C)	Electrical strength (V/1min)		
2C**						1.0	7.4				80	12
3C**						1.0	7.8				100	12
4C**						1.0	8.5				120	12
5C**						1.0	9.3				145	11
6C**						1.0	10.1				175	11
7C						1.0	10.1				185	10
8C	1.25	50/0.18	1.5	0.6	2.7	1.0	10.9	Max.15.1	Min. 5	2000	210	10
10C						1.0	13.0				240	9.4
12C						1.1	13.6				280	8.7
16C						1.1	15.1				355	7.9
20C						1.2	16.6				435	7.3
24C						1.2	18.3				520	7.0
30C						1.3	20.1				645	6.5
2C**						1.0	8.0				100	17
3C**						1.0	8.5				125	17
4C**						1.0	9.2				155	15
5C**						1.0	10.1				190	14
6C**						1.0	11.0				225	14
7C						1.0	11.0				240	13
8C	2	37/0.26	1.8	0.6	3	1.0	11.9	Max. 9.79	Min. 5	2000	275	12
10C						1.0	14.4				325	12
12C						1.1	14.9				375	11
16C						1.2	16.7				500	10
20C						1.2	18.1				590	9.4
24C						1.3	20.2				715	9.0
30C						1.4	22.2				880	8.3
2C**						1.0	9.4				155	30
3C**	3.5	45/0.32	2.5	0.6	3.7	1.0	10.0	Max. 5.24	Min. 5	2000	195	25
4C**						1.0	10.9				235	23

\*\* Made in Thailand

\*At 30°C ambient temperature

### ตารางแสดงค่าตัวแปร ณ อุณหภูมิต่างๆ / Adjustment factors (at ambient temperature)

Ambient temperature (°C)	30	35	40	45	50	55	60
Adjustment factors	1.00	0.91	0.82	0.71	0.58	0.41	-