

C3/RVVYP LF

Vinyl-insulated oil-resistant vinyl sheath flexible cable (shielded)

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

Meeting standard



Certification	CCC	CE marking	Electrical Appliance and Material Safety Law
Applicable standard	GB/T5023.7	EN50525-2-51	J60227-7
Official symbol	RVVYP(60227 IEC 74)	H05VVC4V5-K	60227 IEC 74
Voltage rating	300/500V	300/500V	300/500V
Temperature rating	70°C	70°C	70°C
Conductor	GB/T 3956 Class 5	EN60228	IEC 60228 Class 5
Flame rating	GB/T 18380.12	EN 50265-2-1	IEC 60332-1

Application

- Vinyl-insulated oil-resistant vinyl sheath flexible cable (shielded).

Feature

- Product that corresponds to CCC attestation.
- It passes GB standard(GB/T18380) vertical test※.
- CE marking.
- It suits Electrical Appliance and Material Safety Law.
- Heat resistant PVC material is used to insulation.
- Oil, heat resistant and flexible PVC material is used to sheath.

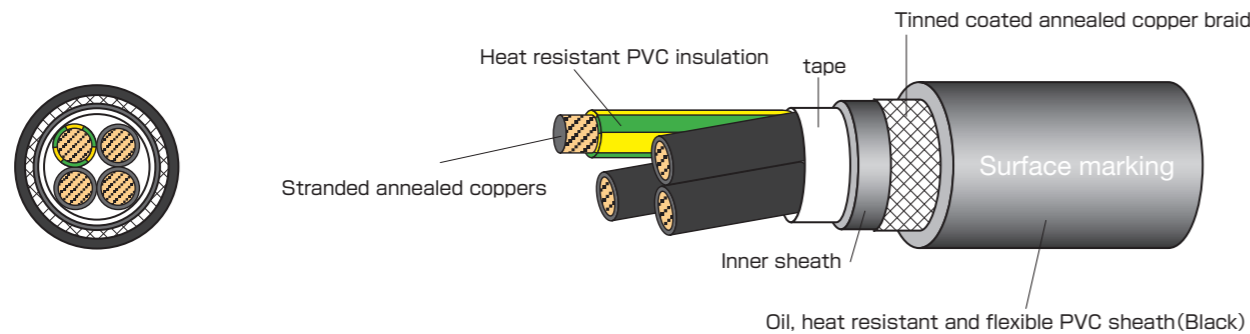
※ Refer to JIS C3665(IEC60332-1)for the test method.

Construction table

No. of cores	Conductor			Heat resistant PVC insulation		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						0.358	9.1	74(110)				13
3C						0.374	9.5	84(125)				13
4C						0.409	10.4	101(150)				12
6C	0.75	30/0.18 (30/7.1mil)	1.1 (43mil)	0.094	2.4	0.472	12.0	134(200)	less than 26.0	more than 0.011	2000	10
11C						0.594	15.1	215(320)				8.1
13C						0.650	16.5	252(375)				7.6
21C						0.772	19.6	363(540)				6.4
31C						0.906	23.0	497(740)				5.6
2C						0.425	10.8	104(155)				20
3C						0.445	11.3	121(180)				20
4C						0.484	12.3	148(220)				18
6C	1.5	60/0.18 (60/7.1mil)	1.6 (63mil)	0.122	3.1	0.575	14.6	212(315)	less than 13.3	more than 0.010	2000	15
11C						0.725	18.5	336(500)				12
21C						0.953	24.2	591(880)				9.6
31C						1.118	28.4	800(1190)				8.3
2C						0.480	12.2	134(200)				27
3C						0.504	12.8	161(240)				27
4C	2.5	50/0.25 (50/9.8mil)	2.0 (79mil)	0.146	3.7	0.563	14.3	205(305)	less than 7.98	more than 0.009	2000	24
6C						0.673	17.1	296(440)				20

※3 core or more has the [Y/G] earth cable of an equal size.

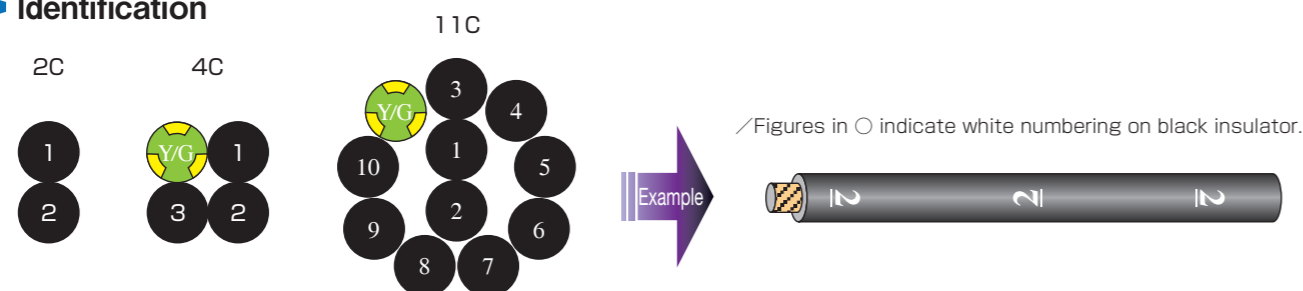
Construction figure



Surface marking

CCC A035686 太阳电线(苏州)有限公司 60227 IEC 74 (RVVYP) 線心数×○mmφ 300/500V GB/T5023.7<PS>E TY TAIYO CABLETEC CE VV5 300/500V LF

Identification



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

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. Allowable ampacity is calculated excluding grounding conductor.

Please multiply the following correction coefficient by the ambient temperature.

Adjustment factors(at ambient temperature)

Ambient temperature(°C)	30	40	50	60	70	80	90	100
Adjustment factors	1.00	0.87	0.71	0.50	—	—	—	—

Standard sales length

Make-to-order Products. (Please contact us about production lot.)