

C3/RVVY LF

Vinyl-insulated oil-resistant vinyl sheath flexible cable

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

Meeting standard



Application

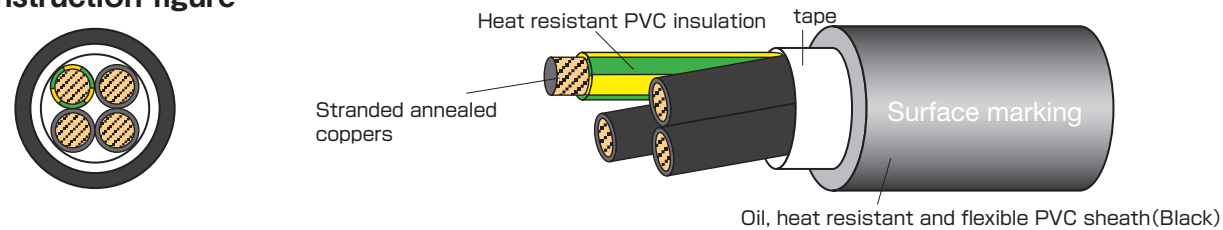
- Vinyl-insulated oil-resistant vinyl sheath flexible cable.

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.

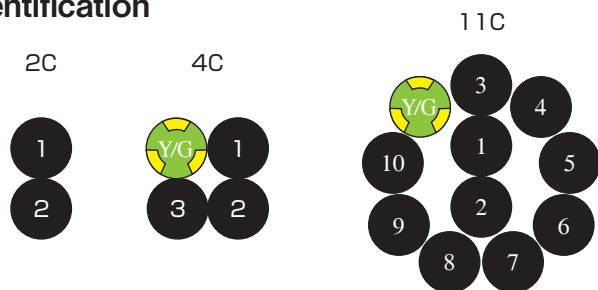
Construction figure



Surface marking

CCC A035686 太阳电线(苏州)有限公司 60227 IEC 75(RVVY) 線心数×○mm² 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%).

/Figures in ○ indicate white numbering on black insulator.



Certification	CCC	CE marking	Electrical Appliance and Material Safety Law
Applicable standard	GB/T5023.7	EN50525-2-51	J60227-7
Official symbol	RVVY(60227 IEC 75)	H05VV5-F相当	60227 IEC 75
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

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) (mm ²)	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						0.240	6.1	27(40)				10
3C	0.5	20/0.18 (20/7.1mil)	0.9 (35mil)	0.087	2.2	0.256	6.5	34(50)	less than 39.0	more than 0.013	2000	10
4C						0.283	7.2	44(65)				
6C						0.343	8.7	64(95)				7.7
2C						0.260	6.6	34(50)				13
3C						0.280	7.1	44(65)				13
4C						0.303	7.7	54(80)				11
6C						0.366	9.3	77(115)				9.8
11C	0.75	30/0.18 (30/7.1mil)	1.1 (43mi)	0.094	2.4	0.476	12.1	131(195)	less than 26.0	more than 0.011	2000	7.8
13C						0.524	13.3	155(230)				
17C						0.587	14.9	202(300)				6.7
21C						0.646	16.4	249(370)				6.2
31C						0.780	19.8	356(530)				5.4
2C						0.272	6.9	37(55)				15
3C	1.0	40/0.18 (40/7.1mil)	1.3 (51mil)	0.102	2.6	0.291	7.4	50(75)	less than 19.5	more than 0.010	2000	15
4C						0.319	8.1	60(90)				
6C						0.394	10.0	94(140)				11
2C						0.315	8.0	50(75)				20
3C						0.346	8.8	71(105)				20
4C						0.378	9.6	87(130)				17
6C	1.5	60/0.18 (60/7.1mil)	1.6 (63mil)	0.122	3.1	0.465	11.8	134(200)	less than 13.3	more than 0.010	2000	14
11C						0.602	15.3	228(340)				
13C						0.665	16.9	272(405)				11
21C						0.827	21.0	444(660)				9.4
31C						0.984	25.0	618(920)				8.2
2C						0.374	9.5	77(115)				27
3C						0.406	10.3	101(150)				27
4C	2.5	50/0.25 (50/9.8mil)	2.0 (79mil)	0.84	3.7	0.453	11.5	131(195)	less than 7.98	more than 0.009	2000	24
6C						0.547	13.9	195(290)				
11C						0.724	18.4	349(520)				16
13C						0.791	20.1	410(610)				15

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

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.)