

# C3/RV LF

## Vinyl insulated wire for fixed wiring

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

Meeting standard



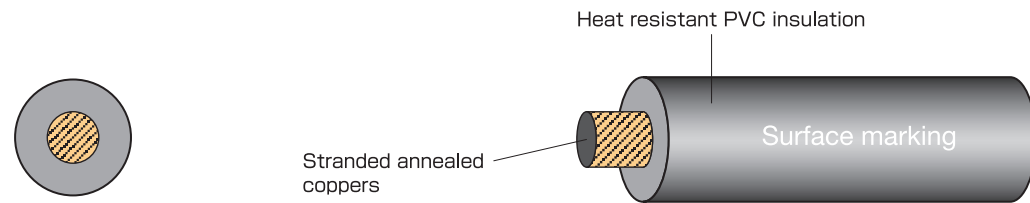
### Application

- Vinyl insulated wire for fixed wiring.

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

### Construction figure



### Surface marking

·Core color: black, white, red, blue and Y/G



·Core color:Yellow(no CE marking)



Certification	CCC	CE marking	Electrical Appliance and Material Safety Law
Applicable standard	GB/T5023.3	EN50525-2-31	J60227-03
Official symbol	RV (60227 IEC 02)	Equivalent of H07V-K	J60227 IEC 02
Voltage rating	450/750V	450/750V	450/750V
Temperature rating	70°C	70°C	70°C
Conductor	GB/T 3956 Class 5	EN 60228	IEC 60228 Class 5
Flame rating	GB/T 18380.12	EN 50265-2-1	IEC 60332-1

### Identification

- 4.0mm<sup>2</sup>~25mm<sup>2</sup>wire is a black, white, red, blue, and Y/G.
- 35mm<sup>2</sup>wire is a black, and Y/G.
- 50mm<sup>2</sup>wire is a black.

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

### Construction table

No. of cores	Conductor			Heat resistant PVC insulation		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics			Allowable ampacity (A)
	Size (AWG) (mm <sup>2</sup> )	Construction (Line/mm)	Outside diameter (mm)	Outside diameter (inch)	Outside diameter (mm)		Conductor resistance (Ω/km20°C)	Insulation resistance (MΩkm20°C)	Electrical strength (V/1min.)	
1C	4.0	82/0.25 (82/9.8mil)	2.6 (102mil)	0.169	4.3	34(50)	less than 4.95	more than 0.0078	2500	38
1C	6.0	7/17/0.25 (7/17/9.8mil)	3.4 (134mil)	0.201	5.1	50(75)	less than 3.30	more than 0.0068	2500	51
1C	10	7/29/0.25 (7/29/9.8mil)	4.5 (177mil)	0.260	6.6	81(120)	less than 1.91	more than 0.0065	2500	75
1C	16	7/48/0.25 (7/48/9.8mil)	5.8 (228mil)	0.311	7.9	128(190)	less than 1.21	more than 0.0053	2500	100
1C	25	7/75/0.25 (7/75/9.8mil)	7.3 (287mil)	0.386	9.8	202(300)	less than 0.780	more than 0.0050	2500	130
1C	35	19/27/0.30 (19/75/11.8mil)	8.7 (343mil)	0.445	11.3	272(405)	less than 0.554	more than 0.0043	2500	170
1C	50	19/39/0.30 (19/39/11.8mil)	10.5 (413mil)	0.528	13.4	390(580)	less than 0.386	more than 0.0042	2500	220

### 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 and the cable-laying conditions, etc.

#### ●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	—	—	—	—

#### ●Adjustment factors(for multiple-line laying)

No. of conductors	2~3	4	5~6	7~15	16~40	41~60	61~
Adjustment factors	0.70	0.63	0.56	0.49	0.43	0.39	0.34

### Standard sales length

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