

CR-CVCT LF

Cold resistance cross-linked polyethylene insulated PVC sheathed flexible cable

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

Meeting standard



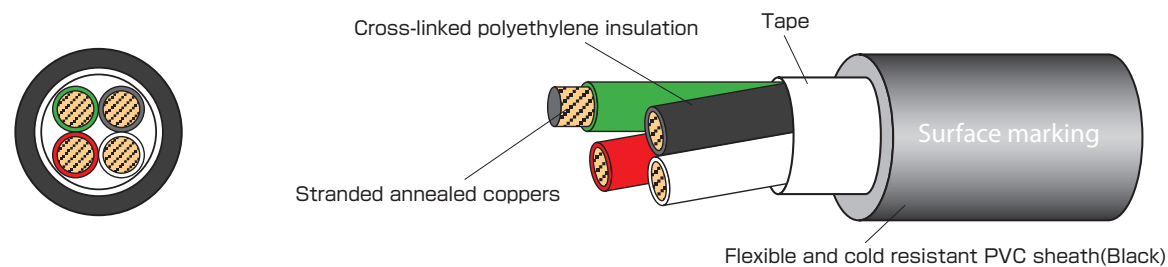
Application

- Power supply circuit of the mobile electrical machinery and apparatus not higher than 600V.
- Applications requiring cold -50°C.
- Rated voltage:600V. Temp:90°C.

Feature

- Cross-linked polyethylene for insulation.
- High maximum allowable temperature of the crosslinked PE insulation, take large allowable current, use a conductor size down possible.
- It retain flexibility at low temperature and can be used in cold resistant -50°C. (used in fixed,no shock and no vibration)
- Water resistant.
- Conform to Electrical Appliance and Material Safety Law.

Construction figure

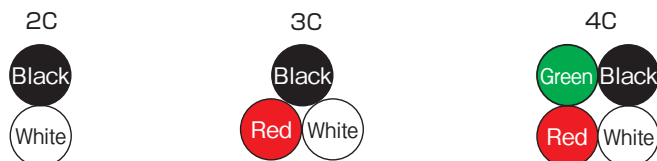


Surface marking



※R15 indicates "Compliant with RoHS Directive 2011/65/EU and Directive (EU) 2015/863 (10 substances)".

Identification



Certification	Electrical Appliance and Material Safety
Applicable standard	Law/Departmental order to determine a technical standard of the electrical equipment
Official symbol	CVCT
Voltage rating	600V
Temperature rating	90°C
Conductor	JIS C 3102
Flame rating	JIS C 3005-4.26.2-b)

Construction table

No. of cores	Conductor			Cross-linked polyethylene insulation		Flexible and cold resistant -PVC sheath		Approx. weight (lbs/1000ft) (kg/km)	Electrical Characteristics			Allowable ampacity (A)
	Size (AWG) (mm²)	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	0.75	30/0.18 (30/7.1mil)	1.1 (43mil)	0.106	2.7	0.354	9.0	54(80)	less than 25.1	more than 2500	3000	17
3C						0.370	9.4	64(95)				15
4C						0.398	10.1	77(115)				14
2C	1.25	50/0.18 (50/7.1mil)	1.5 (59mil)	0.122	3.1	0.386	9.8	67(100)	less than 15.1	more than 2500	3000	24
3C						0.413	10.5	84(125)				21
4C						0.445	11.3	101(150)				18
2C	2	37/0.26 (37/10.2mil)	1.8 (71mil)	0.134	3.4	0.417	10.6	84(125)	less than 9.79	more than 2500	3000	31
3C						0.437	11.1	101(150)				26
4C						0.480	12.2	128(190)				24
2C	3.5	45/0.32 (45/12.6mil)	2.5 (98mil)	0.161	4.1	0.480	12.2	121(180)	less than 5.24	more than 2000	3000	45
3C						0.504	12.8	151(225)				38
4C						0.555	14.1	188(280)				35
2C	5.5	70/0.32 (70/12.6mil)	3.1 (122mil)	0.201	5.1	0.567	14.4	171(255)	less than 3.37	more than 2000	3000	58
3C						0.598	15.2	218(325)				49
4C						0.657	16.7	272(405)				45
2C	8	98/0.32 (98/12.6mil)	3.7 (146mil)	0.224	5.7	0.622	15.8	218(325)	less than 2.39	more than 2000	3000	72
3C						0.657	16.7	279(415)				62
4C						0.724	18.4	353(525)				55
2C	14	172/0.32 (172/12.6mil)	4.9 (193mil)	0.272	6.9	0.724	18.4	326(485)	less than 1.36	more than 1500	3000	101
3C						0.776	19.7	433(645)				87
4C						0.854	21.7	548(815)				79
2C	22	7/39/0.32 (7/39/12.6mil)	6.7 (264mil)	0.358	9.1	0.921	23.4	524(780)	less than 0.869	more than 1500	3000	136
3C						0.984	25.0	695(1035)				117
4C						1.094	27.8	890(1325)				105

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.

●Adjustment factors(at ambient temperature)

Ambient temperature(°C)	30	40	50	60	70	80	90
Adjustment factors	1.00	0.91	0.82	0.71	0.58	0.41	—

Standard sales length

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