

HYPERSOFT (HPF) #600SB LF

Noise&Oil&Heat resistance and flexible cable

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

>>> Meeting standard



Certification	Electrical Appliance and Material Safety	CMJ registration
Applicable standard	Law/Departmental order to determine a technical standard of the electrical equipment	F mark
Official symbol	HVCT	
Voltage rating	600V	
Temperature rating	75℃	
Conductor	JIS C 3102	
Flame rating	JIS C 3005-4.26.2-b)	Flame test of insulated for apparatus

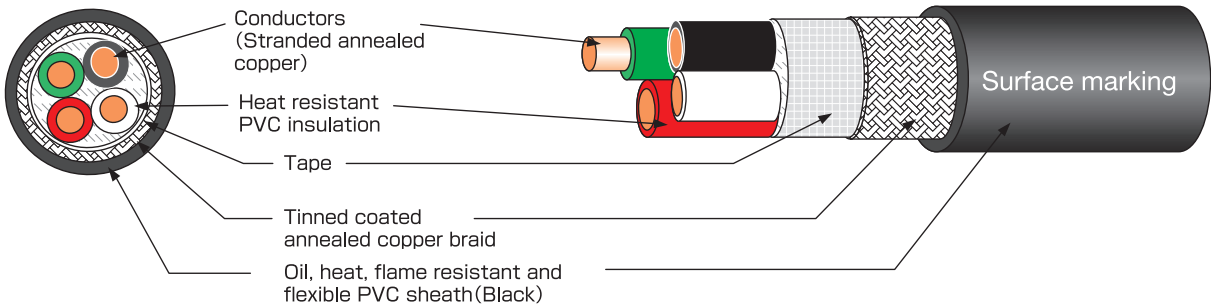
> Application

- The place which is need to oil, heat, noise resistant
- Rated voltage:600V.Temp:75℃(ability 90 ℃)

> Feature

- Heat resistant PVC used for insulation.
- Oil, heat, flame resistant and soft PVC for sheath.

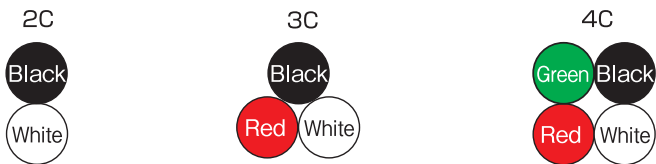
> Construction figure



> Surface marking

○●mm² ≪ハイパーソフト#600 SB≫ 耐油 耐熱 TEIKOKU <PS> E **タイネツ LFV R15 -F-	<PS>E	Indication that was passed to Electrical Appliance and Material Safety Act in Japan
	LFV	Abbreviated name: Lead Free Vinyl
	-F-	Passing to vertical flame test from CMJ registration system

> Identification



> Construction table

No. of cores	Conductor			Heat resistant flexible-PVC insulation		Oil, heat resistant flexible 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℃)	Insulation resistance (MΩ.km20℃)	Electrical strength (V/1min.)	
2C	0.75	30/0.18 (30/7.1mil)	1.1 (43mil)	0.106	2.7	0.378	9.6	74(110)	25.1			14
3C						0.394	10.0	87(130)				12
4C						0.429	10.9	104(155)				11
2C	1.25	50/0.18 (50/7.1mil)	1.5 (59mil)	0.122	3.1	0.417	10.6	94(140)	15.1	50		19
3C						0.437	11.1	111(165)				17
4C						0.480	12.2	138(205)				16
2C	2	37/0.26 (37/10.2mil)	1.8 (71mil)	0.134	3.4	0.445	11.3	107(160)	9.79			27
3C						0.465	11.8	134(200)				23
4C						0.508	12.9	165(245)				20
2C	3.5	45/0.32 (45/12.6mil)	2.5 (98mil)	0.161	4.1	0.508	12.9	155(230)	5.24		under water AC2000	39
3C						0.531	13.5	188(280)				34
4C						0.587	14.9	238(355)				30
2C	5.5	70/0.32 (70/12.6mil)	3.1 (122mil)	0.201	5.1	0.598	15.2	218(325)	3.37	40		50
3C						0.638	16.2	275(410)				44
4C						0.697	17.7	339(505)				39
2C	8	50/0.45 (50/17.7mil)	3.7 (146mil)	0.240	6.1	0.693	17.6	289(430)	2.39			62
3C						0.736	18.7	363(540)				53
4C						0.807	20.5	457(680)				47
2C	14	88/0.45 (88/17.7mil)	4.9 (193mil)	0.303	7.7	0.835	21.2	443(660)	1.36			85
3C						0.890	22.6	564(840)				73
4C						0.976	24.8	705(1050)				67
2C	22	7/20/0.45 (7/20/17.7mil)	6.8 (268mil)	0.394	10.0	1.039	26.4	679(1010)	0.869	30		115

※Standard sales length: 100m/500m (The length changes according to the size. We can cat sale other length at left.)
※ 0.75~5.5mm² are standard stock product. 8 mm² are product to produce after having accepted an order.

> Allowable ampacity

- The allowable ampacity of this catalog is a value at one in the air construction and the ambient temperature 30℃.
- Allowable ampacity is calculated based on JCS0168.
- Please multiply the following correction coefficient by the ambient temperature.

●Adjustment factors(at ambient temperature)

Ambient temperature(℃)	30	40	50	60	70
Adjustment factors	1.00	0.88	0.75	0.58	0.33