HYPERSOFT（HPF）#600 LF

Oil&Heat resistance and flexible cable

Heat resistance ★★
Oil resistance ★★★★★
Noise resistance ★
Flame resistance ★★★★
Flexibility ★★★
non-migratory ★★★★★
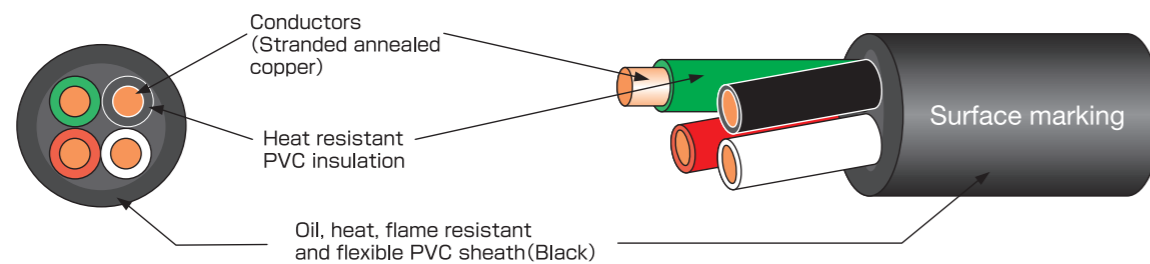Transport property ★★

※The characteristic is an aim.

> Application

● Wiring such as the machine tools where the oil is scattered at a high temperature

● Rated voltage:600V.Temp:75℃（ability 90 ℃）

> Feature

● Heat resistant PVC used for insulation.

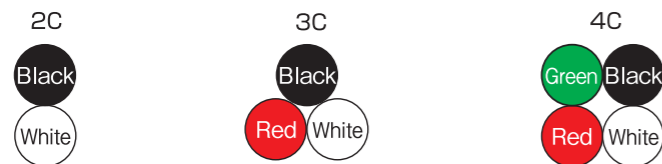● Oil, heat, flame resistant and soft PVC for sheath.

> Construction figure

Conductors (Stranded annealed copper)

Heat resistant PVC insulation

Oil, heat, flame resistant and flexible PVC sheath（Black）

Surface marking

> Surface marking

○○mm²《ハイパーソフト#600》 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—	Pussing to rertical flame test from CMJ resistration system

> Identification

2C — Black / White

3C — Black / Red / White

4C — Green Black / Red / White

Construction table

Certification	Electrical Appliance and Material Safety	CMJ registration
Applicable standard	LawDepartmental 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 apparat us

> Construction table

No. of cores	Conductor Size (AWG)(mm²)	Conductor Construction (Line/mm)	Conductor Outside diameter (mm)	Heat resistant flexible-PVC insulation Outside diameter (inch)	Heat resistant flexible-PVC insulation Outside diameter (mm)	Oil, heat resistant flexible sheath Overall diameter approx.(inch)	Oil, heat resistant flexible sheath Overall diameter approx.(mm)	Approx. weight (lbs/1000ft)(kg/km)	Electrical Characteristics Conductor resistance (Ω/km20℃)	Electrical Characteristics Insulation resistance (MΩkm20℃)	Electrical Characteristics Electrical strength (V/1min.)	Allowable ampacity (A)
2C	0.75	30/0.18 (30/7.1mil)	1.1 (43mil)	0.106	2.7	0.346	8.8	64(95)				14
3C						0.362	9.2	74(110)	25.1			12
4C						0.390	9.9	87(130)				11
2C	1.25	50/0.18 (50/7.1mil)	1.5 (59mil)	0.122	3.1	0.378	9.6	81(120)				19
3C						0.398	10.1	91(135)	15.1	50		17
4C						0.437	11.1	114(170)				16
2C	2	37/0.26 (37/10.2mil)	1.8 (71mil)	0.134	3.4	0.409	10.4	97(145)				27
3C						0.429	10.9	114(170)	9.79		under water	23
4C						0.465	11.8	141(210)				20
2C	3.5	45/0.32 (45/12.6mil)	2.5 (98mil)	0.161	4.1	0.465	11.8	134(200)			AC3000	39
3C						0.496	12.6	168(250)	5.24			34
4C						0.547	13.9	212(315)				30
2C	5.5	70/0.32 (70/12.6mil)	3.1 (122mil)	0.201	5.1	0.559	14.2	202(300)				50
3C						0.591	15.0	245(365)	3.37	40		44
4C						0.650	16.5	309(460)				39
2C	8	50/0.45 (50/17.7mil)	3.7 (146mil)	0.240	6.1	0.646	16.4	272(405)				62
3C						0.689	17.5	339(505)	2.39			53
4C						0.760	19.3	427(635)				47

※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. 8mm² 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 JCSO168.

·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