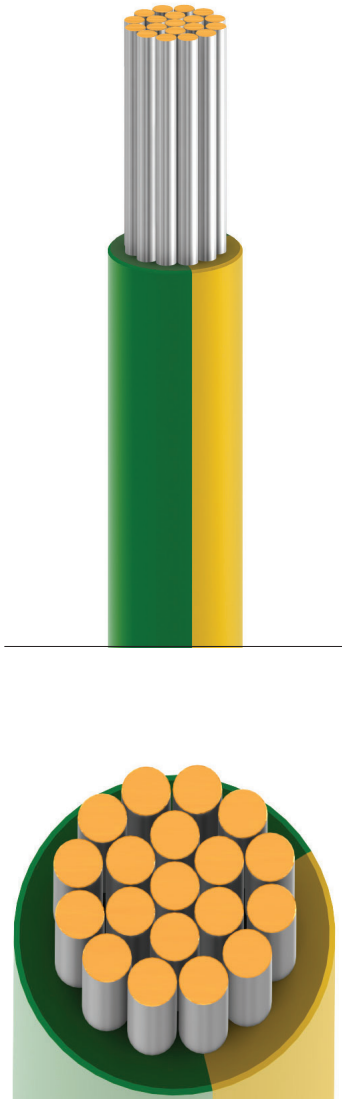




Construction

1 Conductor

Tinned annealed copper wire according to IEC 60228 Class 2 or Class 5

2 Insulation

- ① R: HF EPR as per IEC 60092-360(351)
- ② U: Halogen free thermoset compound SHF2 complying with IEC 60092-360(359) and / or NEK 606.
- ③ Thickness as per IEC 60092-353

Marking

e.g. : S.E.C. 0.6/1kV P15 UX 1 X 70SQMM NEK 606 IEC 60332-1 SEOUL Year Length

Applicable standards

NEK 606	Design standards
IEC 60092-350	Design standards
IEC 60092-352	Choice and installation of electric cables
IEC 60092-353	Design standards
IEC 60092-360(351, 359)	Insulating and sheathing materials
IEC 60331	Fire resisting test
IEC 60332-1	Flame retardant (Single)
IEC 60684-2	Fluorine content test
IEC 60754-1	Halogen gas emission test
IEC 60754-2	pH and conductivity test
IEC 61034-1,2	Smoke emission test
UL 1581	UV resistance (sunlight resistance)
CSA C 22.2 No.0.3	Cold bending test (at -40°C) and cold impact (at -35°C) test at low temperature (option)



-40 to 90°C



Flame retardant
IEC 60332-1(Single)



Cold impact(-35°C)
CSA C22.2 No.0.3
Special requirement



Halogen free



Weather
Resistance to severe
weather conditions



Chemical attacks
Resistance to
chemicals,

0.6/1kV

(HF-)EPR or SHF2 insulated cables RX, UX

No. of Cores	Conductor		Insulation Thick mm	Outer Diameter Nom. mm	Cable weight Approx. kg/km	Conductor Resistance(20°C) max. Ω /km	Current Rating Amp.
	Area	Overall dia.					
	mm²	mm					
1	1	1.29	2.0	5.0	50	18.2	16
1	1.5	1.59	2.0	5.4	60	12.2	23
1	2.5	2.01	2.0	5.7	70	7.56	40
1	4	2.55	2.0	6.5	90	4.70	51
1	6	3.12	2.0	6.8	110	3.11	52
1	10	4.05	2.0	7.8	160	1.84	72
1	16	5.10	2.1	9.0	230	1.16	96
1	25	6.42	2.3	10.5	350	0.734	127
1	35	7.56	2.4	11.8	460	0.529	157
1	50	8.90	2.6	13.5	600	0.391	196
1	70	10.70	2.7	15.5	830	0.270	242
1	95	12.60	3.0	17.7	1,120	0.195	293
1	120	14.20	3.0	19.2	1,370	0.154	339
1	150	15.80	3.3	21.2	1,670	0.126	389
1	185	17.60	3.6	23.5	2,100	0.100	444
1	240	20.30	3.9	27.0	2,700	0.0762	522
1	300	22.70	4.2	29.8	3,370	0.0607	601