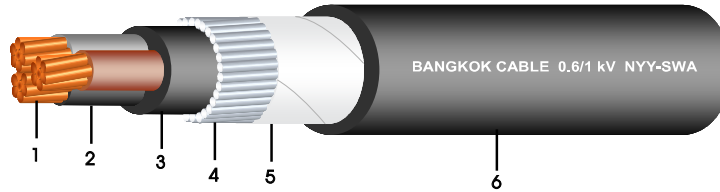


## 0.6/1 kV NYY-SWA

3 CORES - PVC INSULATED AND DOUBLE SHEATHED, ROUND TYPE WITH ARMOUR



### Construction

1. Conductor : Solid or circular stranded annealed copper
2. Insulation : Polyvinyl chloride (PVC)  
Colour code : Brown, Black, Grey
3. Inner covering : Polyvinyl chloride (PVC), Black colour
4. Armour : Galvanized steel wires
5. Binding tape : Polyester tape and/or Spunbond tape
6. Outer sheath : Polyvinyl chloride (PVC), Black colour

### Reference Standard :

IEC 60502-1

### Classification

- Maximum conductor temperature : 70°C  
 Maximum circuit voltage : 1,000 V  
 AC test voltage : 3,500 V

### Application

For installation in underground or direct burial in ground.

Conductor			Thickness of insulation mm (Nominal)	Thickness of inner covering mm (Approx.)	Diameter under armour mm (Approx.)	Diameter of wire armour mm (Nominal)	Thickness of outer sheath mm (Nominal)	Overall diameter mm (Approx.)	DC conductor resistance at 20°C Ω/km (Max.)	Current rating in free air at 40°C ambient A	Cable weight kg/km (Approx.)	Standard length m/drum
Cross-sectional area mm <sup>2</sup>	No. of wires (Min.)	Diameter mm (Approx.)										
1.5	1	1.36	0.8	1.0	9.5	0.8	1.8	15.5	12.1	17	420	500
1.5	7	1.53	0.8	1.0	10.0	0.8	1.8	15.5	12.1	17	430	500
2.5	1	1.75	0.8	1.0	10.5	0.8	1.8	16.0	7.41	23	480	500
2.5	7	1.98	0.8	1.0	11.0	0.8	1.8	16.5	7.41	23	510	500
4	1	2.21	1.0	1.0	12.0	1.3	1.8	19.0	4.61	31	740	500
4	7	2.49	1.0	1.0	13.0	1.3	1.8	19.5	4.61	31	780	500
6	7	3.09	1.0	1.0	14.0	1.3	1.8	21.0	3.08	39	920	500
10	7	3.99	1.0	1.0	16.0	1.3	1.8	23.0	1.83	54	1,150	500
16	7	5.01	1.0	1.0	18.5	1.6	1.8	26.0	1.15	72	1,600	500
25	7	6.30	1.2	1.0	22.0	1.6	1.8	30.0	0.727	95	2,160	500
35	7	7.55	1.2	1.0	25.0	1.6	1.9	32.5	0.524	115	2,660	500
50	19	8.75	1.4	1.0	28.5	2.0	2.0	37.5	0.387	140	3,580	500
70	19	10.50	1.4	1.2	32.5	2.0	2.1	42.0	0.268	175	4,610	400
95	19	12.35	1.6	1.2	37.5	2.0	2.3	47.5	0.193	215	5,910	400
120	37	13.93	1.6	1.2	41.0	2.5	2.4	52.0	0.153	250	7,440	300
150	37	15.47	1.8	1.4	46.0	2.5	2.6	57.0	0.124	285	8,920	250
185	37	17.29	2.0	1.4	50.5	2.5	2.7	62.5	0.0991	325	10,660	200
240	37	19.89	2.2	1.6	58.0	2.5	2.9	70.0	0.0754	380	13,410	150
300	61	22.23	2.4	1.6	64.0	2.5	3.1	76.5	0.0601	430	16,140	100
400	61	25.20	2.6	1.8	71.5	3.2	3.4	86.0	0.0470	485	21,000	100