

0.6/1 kV NYY-SWA

2 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 : Blue, Brown
3. Inner covering : Polyvinyl chloride (PVC), Black colour
4. Armour : Galvanized steel wires
5. Binding tape : Polyester 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

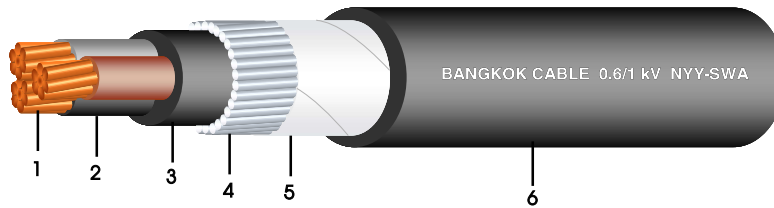
Application

For installation in underground or direct burial in ground.

Conductor			Thickness of insulation	Thickness of inner covering	Diameter under armour	Diameter of wire armour	Thickness of outer sheath	Overall diameter	DC. conductor resistance at 20°C	Current rating in free air at 40°C ambient	Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter										
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	kg/km (Approx.)	m/drum
1.5	1	1.36	0.8	1.0	9.0	0.8	1.8	15.0	12.1	20	380	500
1.5	7	1.59	0.8	1.0	9.0	0.8	1.8	15.0	12.1	20	400	500
2.5	1	1.75	0.8	1.0	9.5	0.8	1.8	15.5	7.41	27	440	500
2.5	7	2.01	0.8	1.0	10.0	0.8	1.8	16.0	7.41	27	460	500
4	1	2.21	1.0	1.0	11.5	1.25	1.8	18.5	4.61	36	670	500
4	7	2.55	1.0	1.0	12.0	1.25	1.8	19.0	4.61	36	710	500
6	7	3.12	1.0	1.0	13.5	1.25	1.8	20.0	3.08	46	820	500
10	7	3.98	1.0	1.0	15.0	1.25	1.8	22.0	1.83	63	1,000	500
16	7	5.01	1.0	1.0	17.0	1.25	1.8	24.0	1.15	84	1,240	500
25	7	6.33	1.2	1.0	20.5	1.6	1.8	28.5	0.727	110	1,840	500
35	7	7.60	1.2	1.0	23.0	1.6	1.8	31.0	0.524	135	2,220	500
50	19	8.83	1.4	1.0	26.5	1.6	1.9	34.5	0.387	165	2,750	500
70	19	10.58	1.4	1.0	30.0	2.0	2.1	39.0	0.268	205	3,740	500
95	19	12.50	1.6	1.2	35.0	2.0	2.2	44.5	0.193	250	4,820	400
120	37	14.07	1.6	1.2	38.0	2.0	2.3	48.0	0.153	290	5,660	400
150	37	15.61	1.8	1.2	42.0	2.5	2.5	53.5	0.124	330	7,170	300
185	37	17.50	2.0	1.4	47.0	2.5	2.6	58.5	0.0991	375	8,640	250
240	37	20.07	2.2	1.4	53.5	2.5	2.8	65.0	0.0754	435	10,680	200
300	61	22.50	2.4	1.6	59.5	2.5	3.0	71.5	0.0601	495	12,890	100
400	61	25.38	2.6	1.6	66.0	2.5	3.2	79.0	0.0470	560	15,780	100

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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
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

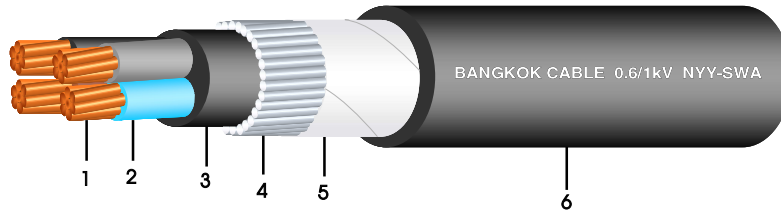
Application

For installation in underground or direct burial in ground.

Conductor			Thickness of insulation	Thickness of inner covering	Diameter under armour	Diameter of wire armour	Thickness of outer sheath	Overall diameter	DC. conductor resistance at 20°C	Current rating in free air at 40°C ambient	Cable weight	Standard length
Cross-sectional area	No. of wires	Diameter										
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	kg/km (Approx.)	m/drum
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	1.59	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	2.01	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	1.25	1.8	19.0	4.61	31	740	500
4	7	2.55	1.0	1.0	13.0	1.25	1.8	19.5	4.61	31	780	500
6	7	3.12	1.0	1.0	14.0	1.25	1.8	21.0	3.08	39	920	500
10	7	3.98	1.0	1.0	16.0	1.25	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	6.33	1.2	1.0	22.0	1.6	1.8	30.0	0.727	95	2,160	500
35	7	7.60	1.2	1.0	25.0	1.6	1.9	32.5	0.524	115	2,660	500
50	19	8.83	1.4	1.0	28.5	2.0	2.0	37.5	0.387	140	3,580	500
70	19	10.58	1.4	1.2	32.5	2.0	2.1	42.0	0.268	175	4,610	400
95	19	12.50	1.6	1.2	37.5	2.0	2.3	47.5	0.193	215	5,910	400
120	37	14.07	1.6	1.2	41.0	2.5	2.4	52.0	0.153	250	7,440	300
150	37	15.61	1.8	1.4	46.0	2.5	2.6	57.0	0.124	285	8,920	250
185	37	17.50	2.0	1.4	50.5	2.5	2.7	62.5	0.0991	325	10,660	200
240	37	20.07	2.2	1.6	58.0	2.5	2.9	70.0	0.0754	380	13,410	150
300	61	22.50	2.4	1.6	64.0	2.5	3.1	76.5	0.0601	430	16,140	100
400	61	25.38	2.6	1.8	71.5	3.15	3.4	86.0	0.0470	485	21,000	100

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



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Application

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Cross-sectional area	No. of wires	Diameter										
mm ²	(Min.)	mm (Approx.)	mm (Nominal)	mm (Approx.)	mm (Approx.)	mm (Nominal)	mm (Nominal)	mm (Approx.)	Ω/km (Max.)	A	kg/km (Approx.)	m/drum
1.5	1	1.36	0.8	1.0	10.0	0.8	1.8	16.0	12.1	17	470	500
1.5	7	1.59	0.8	1.0	10.5	0.8	1.8	16.5	12.1	17	490	500
2.5	1	1.75	0.8	1.0	11.0	1.25	1.8	18.0	7.41	23	660	500
2.5	7	2.01	0.8	1.0	11.5	1.25	1.8	18.5	7.41	23	700	500
4	1	2.21	1.0	1.0	13.5	1.25	1.8	20.0	4.61	31	850	500
4	7	2.55	1.0	1.0	14.0	1.25	1.8	21.0	4.61	31	900	500
6	7	3.12	1.0	1.0	15.5	1.25	1.8	22.5	3.08	39	1,060	500
10	7	3.98	1.0	1.0	17.5	1.6	1.8	25.5	1.83	54	1,490	500
16	7	5.01	1.0	1.0	20.0	1.6	1.8	28.0	1.15	72	1,890	500
25	7	6.33	1.2	1.0	24.5	1.6	1.9	32.5	0.727	95	2,590	500
35	7	7.60	1.2	1.0	27.5	1.6	2.0	35.5	0.524	115	3,220	500
50	19	8.83	1.4	1.2	32.0	2.0	2.1	41.0	0.387	140	4,400	400
70	19	10.58	1.4	1.2	36.0	2.0	2.3	46.0	0.268	175	5,640	400
95	19	12.50	1.6	1.2	42.0	2.5	2.5	53.0	0.193	215	7,750	300
120	37	14.07	1.6	1.4	46.0	2.5	2.6	57.5	0.153	250	9,220	250
150	37	15.61	1.8	1.4	51.0	2.5	2.7	62.5	0.124	285	10,950	200
185	37	17.50	2.0	1.6	57.0	2.5	2.9	69.0	0.0991	325	13,300	150
240	37	20.07	2.2	1.6	64.5	2.5	3.1	77.0	0.0754	380	16,660	100
300	61	22.50	2.4	1.6	71.0	3.15	3.4	85.5	0.0601	430	21,120	100
400	61	25.38	2.6	1.8	80.0	3.15	3.7	95.0	0.0470	485	26,170	100