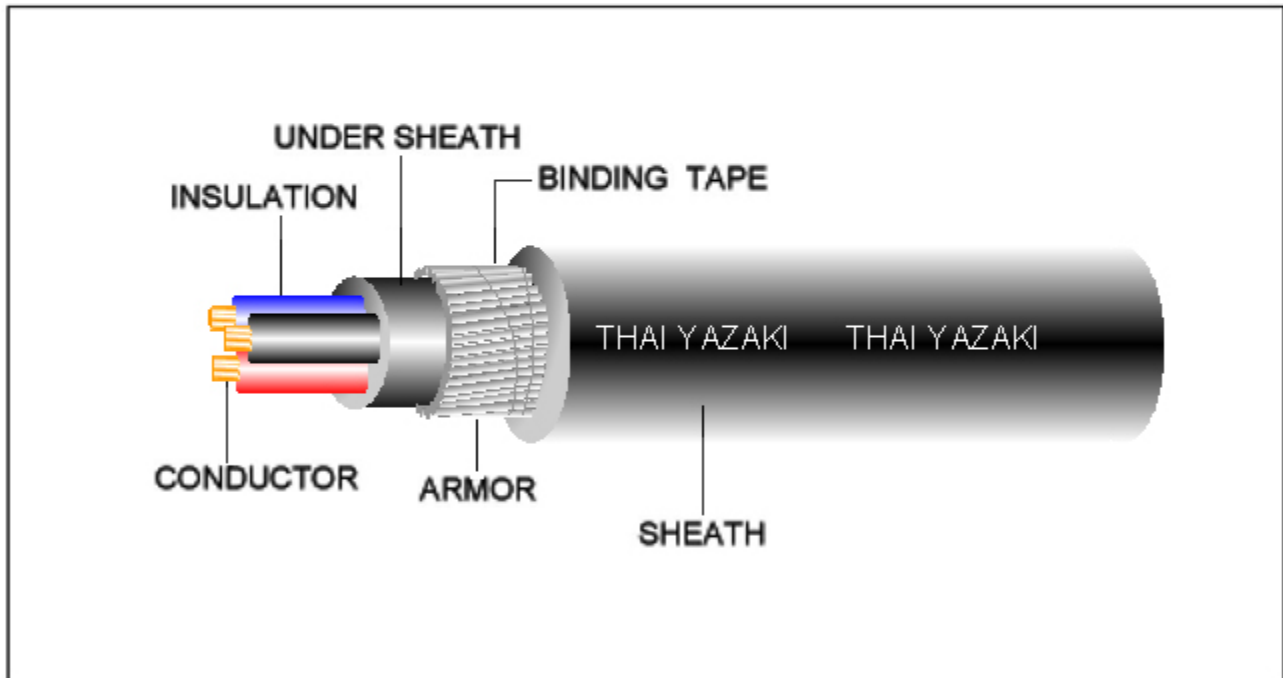


# NYY-SWA

750 V 70° C PVC INSULATED AND DOUBLE SHEATHED POWER CABLE, WITH GALVANIZED STEEL WIRES ARMOR



## CABLE STRUCTURE

NUMBER OF CORE CONDUCTOR	:	2 Up to 4 cores Solid and stranded annealed copper, sizes 1 mm <sup>2</sup> up to 300 mm <sup>2</sup>
INSULATION	:	PVC Color : 2 cores - Light gray and Black 3 cores - Light gray, Black and Red 4 cores - Light gray, Black, Red and Blue
UNDER SHEATH	:	PVC, Color : Black
SHEATH	:	PVC, Color : Black
ARMOUR	:	Galvanized Steel Wires
CLASSIFICATION	:	Maximum conductor temperature 70°C Circuit voltage not exceeding 750 volts
TESTING VOLTAGE	:	2,500 volts
REFERENCE	:	TIS 11-2531

# NYY-SWA

Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number and diameter of wire (NO./mm)	Insulation thickness (mm)	Under Sheath thickness (mm)	Diameter of steel wire armor (mm)	Sheath Thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20°C (Ω-Km)	Minimum Insulation resistance at 70°C (MΩ-Km)	Minimum continuous current rating in underground (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
2	1	1/1.13	0.8	0.8	0.8	1.8	13.5	18.1	0.0141	22	300	500/D
	1	7/0.43	0.8	0.8	0.8	1.8	14.0	18.1	0.0135	22	310	500/D
	1.5	7/1.38	0.8	0.8	0.8	1.8	14.0	12.1	0.0123	27	320	500/D
	1.5	7/0.53	0.8	0.8	0.8	1.8	14.5	12.1	0.0116	27	340	500/D
	2.5	1/1.78	0.8	0.8	0.8	1.8	15.0	7.41	0.0102	36	370	500/D
	2.5	7/0.67	0.8	0.8	0.8	1.8	15.5	7.41	0.0093	36	400	500/D
	4	1/2.25	0.9	0.8	0.8	1.8	16.5	4.61	0.0094	47	460	500/D
	4	7/0.85	0.9	0.8	1.25	1.8	18.0	4.61	0.0085	47	600	500/D
	6	7/1.04	0.9	0.8	1.25	1.8	19.0	3.08	0.0073	61	700	500/D
	10	7/1.35	1.1	0.8	1.25	1.8	22.0	1.83	0.0069	82	950	500/D
	16	7/1.70	1.1	0.8	1.6	1.8	24.0	1.15	0.0057	107	1,300	500/D
	25	7/2.14	1.3	1.2	2.0	1.9	30.0	0.727	0.0054	138	2,000	500/D
	35	19/1.53	1.3	1.2	2.0	2.0	33.0	0.524	0.0047	168	2,400	500/D
	50	19/1.78	1.5	1.2	2.0	2.1	36.0	0.387	0.0046	199	3,000	500/D
	70	19/2.14	1.5	1.5	2.0	2.2	41.0	0.268	0.0039	243	4,000	500/D
	95	19/2.52	1.7	1.5	2.5	2.4	47.0	0.193	0.0038	294	5,000	500/D
	120	37/2.03	1.7	1.5	2.5	2.6	51.0	0.153	0.0034	336	6,000	500/D
	150	37/2.25	1.9	1.8	2.5	2.7	56.0	0.124	0.0034	375	7,000	500/D
185	37/2.52	2.1	1.8	2.5	2.9	61.0	0.0991	0.0034	424	8,500	300/D	
240	61/2.25	2.3	2.0	2.5	3.1	68.0	0.0754	0.0033	489	10,500	300/D	
300	61/2.52	2.5	2.0	3.15	3.4	76.0	0.0601	0.0032	553	13,500	200/D	

# NYY-SWA

Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number and diameter of wire (NO./mm)	Insulation thickness (mm)	Under Sheath thickness (mm)	Diameter of steel wire armor (mm)	Sheath Thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20°C (Ω-Km)	Minimum Insulation resistance at 70°C (MΩ-Km)	Minimum continuous current rating in underground (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
3	1	1/1.13	0.8	0.8	0.8	1.8	14.0	18.1	0.0141	18	330	500/D
	1	7/0.43	0.8	0.8	0.8	1.8	14.5	18.1	0.0135	18	340	500/D
	1.5	1/1.38	0.8	0.8	0.8	1.8	14.5	12.1	0.0123	23	350	500/D
	1.5	7/0.53	0.8	0.8	0.8	1.8	15.0	12.1	0.0116	23	380	500/D
	2.5	1/1.78	0.8	0.8	0.8	1.8	15.5	7.41	0.0102	30	420	500/D
	2.5	7/0.67	0.8	0.8	0.8	1.8	16.5	7.41	0.0093	30	450	500/D
	4	1/2.25	0.9	0.8	1.25	1.8	18.0	4.61	0.0094	40	650	500/D
	4	7/0.85	0.9	0.8	1.25	1.8	18.5	4.61	0.0085	40	700	500/D
	6	7/1.04	0.9	0.8	1.25	1.8	20.0	3.08	0.0073	51	800	500/D
	10	7/1.35	1.1	0.8	1.6	1.8	23.0	1.83	0.0069	69	1,200	500/D
	16	7/1.70	1.1	1.2	1.6	1.8	26.0	1.15	0.0057	88	1,600	500/D
	25	7/2.14	1.3	1.2	2.0	1.9	31.0	0.727	0.0054	115	2,300	500/D
	35	19/1.53	1.3	1.2	2.0	2.0	34.0	0.524	0.0047	140	2,800	500/D
	50	19/1.78	1.5	1.5	2.0	2.2	39.0	0.387	0.0046	164	3,600	500/D
	70	19/2.14	1.5	1.5	2.0	2.3	43.0	0.268	0.0039	202	4,600	500/D
	95	19/2.52	1.7	1.5	2.5	2.5	50.0	0.193	0.0038	244	6,500	500/D
	120	37/2.03	1.7	1.8	2.5	2.7	55.0	0.153	0.0034	277	7,500	300/D
	150	37/2.25	1.9	1.8	2.5	2.8	59.0	0.124	0.0034	310	9,000	300/D
185	37/2.52	2.1	2.0	2.5	3.0	65.0	0.0991	0.0034	350	10,500	300/D	
240	61/2.25	2.3	2.0	2.5	3.3	73.0	0.0754	0.0033	406	13,000	200/D	
300	61/2.52	2.5	2.2	3.15	3.5	81.0	0.0601	0.0032	457	17,000	200/D	

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Number Of core	Nominal Cross Sectional area (mm <sup>2</sup> )	Number and diameter of wire (NO./mm)	Insulation thickness (mm)	Under Sheath thickness (mm)	Diameter of steel wire armor (mm)	Sheath Thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20°C (Ω-Km)	Minimum Insulation resistance at 70°C (MΩ-Km)	Minimum continuous current rating in underground (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
4	1	1/1.13	0.8	0.8	0.8	1.8	15.0	18.1	0.0141	16	360	500/D
	1	7/0.43	0.8	0.8	0.8	1.8	15.0	18.1	0.0135	16	380	500/D
	1.5	1/1.38	0.8	0.8	0.8	1.8	15.5	12.1	0.0123	20	400	500/D
	1.5	7/0.53	0.8	0.8	0.8	1.8	16.0	12.1	0.0116	20	420	500/D
	2.5	1/1.78	0.8	0.8	0.8	1.8	16.5	7.41	0.0102	27	480	500/D
	2.5	7/0.67	0.8	0.8	1.25	1.8	18.0	7.41	0.0093	27	650	500/D
	4	1/2.25	0.9	0.8	1.25	1.8	19.0	4.61	0.0094	36	750	500/D
	4	7/0.85	0.9	0.8	1.25	1.8	20.0	4.61	0.0085	36	800	500/D
	6	7/1.04	0.9	0.8	1.25	1.8	21.0	3.08	0.0073	45	950	500/D
	10	7/1.35	1.1	0.8	1.6	1.8	25.0	1.83	0.0069	61	1,400	500/D
	16	7/1.70	1.1	1.2	1.6	1.8	28.0	0.15	0.0057	78	1,800	500/D
	25	7/2.14	1.3	1.2	2.0	2.0	34.0	0.727	0.0054	102	2,800	500/D
	35	19/1.53	1.3	1.5	2.0	2.1	38.0	0.524	0.0047	122	3,500	500/D
	50	19/1.78	1.5	1.5	2.0	2.3	43.0	0.387	0.0046	145	4,300	500/D
	70	19/2.14	1.5	1.5	2.5	2.5	49.0	0.268	0.0039	179	6,000	500/D
	95	19/2.52	1.7	1.8	2.5	2.7	55.0	0.193	0.0038	214	8,000	300/D
	120	37/2.03	1.7	1.8	2.5	2.9	60.0	0.153	0.0034	244	9,000	300/D
	150	37/2.25	1.9	2.0	2.5	3.0	65.0	0.124	0.0034	273	11,000	300/D
185	37/2.52	2.1	2.0	2.5	3.2	72.0	0.0991	0.0034	309	13,000	200/D	
240	61/2.25	2.3	2.2	3.15	3.5	81.0	0.0754	0.0033	358	17,500	150/D	
300	61/2.52	2.5	2.2	3.15	3.8	89.0	0.0601	0.0032	403	21,000	150/D	

TISI PERMITTED TO INCREASE THE MAXIMUM OVERALL DIAMETER BY 5%  
D : Packing in drum.