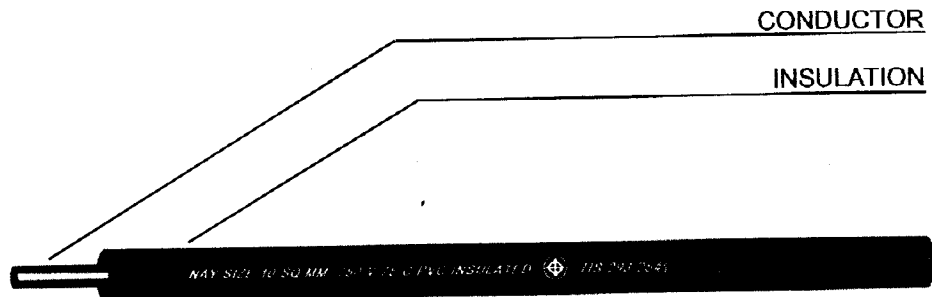


ALUMINIUM CONDUCTOR CABLES

Building Wires And Cables

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NAY 750 V 70°C PVC INSULATED ALUMINIUM CONDUCTOR, SINGLE CORE	48-49
THW-A 750 V 70°C PVC INSULATED ALUMINIUM CONDUCTOR, SINGLE CORE	50-51

750 V 70°C PVC INSULATED ALUMINIUM CONDUCTOR, SINGLE CORE**CABLE STRUCTURE**

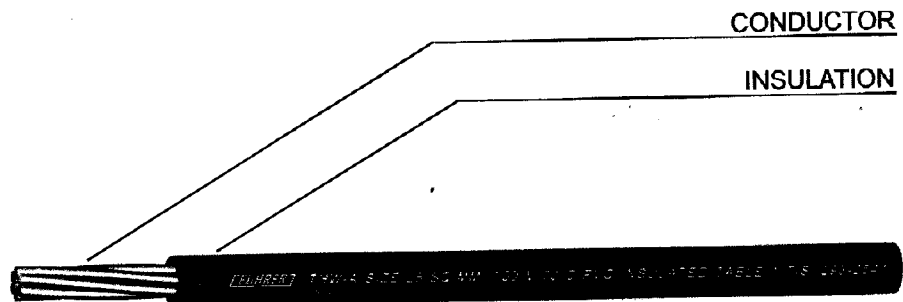
CONDUCTOR	: Solid hard drawn aluminum wires, Sizes. 10 mm ² up to 16 mm ²
INSULATION	: PVC Colour : Blue
CLASSIFICATION	: Maximum conductor temperature 70°C Circuit voltage not exceeding 750 volts
TESTING VOLTAGE	: 2,500 Volts
REFERENCE	: TIS 293-2541 Table 1



NAY

Nominal cross sectional Area (mm ²)	Number and diameter of wire (NO./mm)	Insulation thickness (mm)	Approx. overall diameter (mm)	Maximum Conductor Resistance at 20°C (Ω/Km)	Minimum insulation Resistance at 20°C (MΩ/Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
10	1/3.49	2.7	9.3	3.08	40	51	110	500/C
16	1/4.43	2.9	10.5	1.91	40	68	147	500/C

C: Packing in coil.

750 V 70°C PVC INSULATED ALUMINIUM CONDUCTOR, SINGLE CORE**CABLE STRUCTURE**

CONDUCTOR	:	Solid and stranded hard drawn aluminum wires, Sizes. 10 mm ² up to 500 mm ²
INSULATION	:	Heat resisting PVC Colour : Black
CLASSIFICATION	:	Maximum conductor temperature 70°C Circuit voltage not exceeding 750 volts
TESTING VOLTAGE	:	2,500 Volts
REFERENCE	:	TIS 293-2541 Table 1



THWA

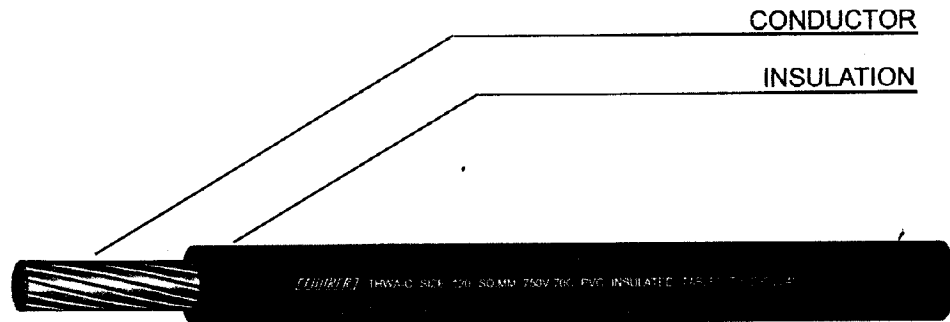
Nominal Cross Sectional area (mm ²)	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Approx. Overall diameter (mm)	Maximum Conductor Resistance at 20°C (Ω-Km)	Minimum Insulation resistance at 20°C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
10	1/3.49	1.1	5.9	3.08	0.038	50	50	500/D
10	7/1.32	1.1	6.4	3.08	0.034	52	55	500/D
16	1/4.43	1.1	6.8	1.91	0.032	67	70	500/D
16	7/1.68	1.1	7.4	1.91	0.028	69	80	500/D
25	7/2.12	1.3	9.2	1.20	0.027	92	120	500/D
35	7/2.49	1.3	10.5	0.868	0.023	113	160	500/D
50	7/2.90	1.5	12.0	0.641	0.023	135	210	500/D
50	19/1.76	1.5	12.5	0.641	0.023	135	210	500/D
70	19/2.12	1.5	14.0	0.443	0.020	173	280	500/D
95	19/2.49	1.7	16.5	0.320	0.019	218	390	500/D
120	19/2.80	1.7	18.0	0.253	0.017	257	470	500/D
120	37/2.01	1.7	18.0	0.253	0.017	258	470	500/D
150	37/2.23	1.9	20.0	0.206	0.017	298	600	500/D
185	37/2.50	2.1	22.0	0.164	0.017	351	700	500/D
240	61/2.23	2.3	25.0	0.125	0.016	426	900	500/D
300	61/2.49	2.5	28.0	0.100	0.016	498	1,100	500/D
400	61/2.82	2.7	32.0	0.0778	0.015	594	1,400	500/D
500	61/3.20	3.1	36.0	0.0605	0.015	708	1,900	500/D

C: Packing in coil.

D: Packing in drum.

[FÜHRER]

SPECIFICATION

750 V 70°C PVC INSULATED ALUMINIUM COMPACTED CONDUCTOR, SINGLE CORE**CABLE STRUCTURE**

CONDUCTOR	: Compact stranded hard drawn aluminum wires, Sizes. 10 mm ² up to 500 mm ²
INSULATION	: Heat resisting PVC Colour : Black
CLASSIFICATION	: Maximum conductor temperature 70°C Circuit voltage not exceeding 750 volts
TESTING VOLTAGE	: 2,500 Volts
REFERENCE	: TIS 293-2541 Table 2



THWA

Nominal Cross-sectional area (mm ²)	Minimum number of wire	Approx. Overall Conductor diameter (mm)	Insulation thickness (mm)	Approx. Overall diameter (mm)	Maximum conductor resistance at 20°C (Ω-Km)	Minimum insulation resistance at 70°C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
10	6	3.70	1.1	6.20	3.08	0.0075	52	55	500/D
16	6	4.70	1.1	7.20	1.91	0.0062	71	75	500/D
25	6	5.90	1.3	8.80	1.20	0.0059	95	115	500/D
35	6	6.96	1.3	9.80	0.868	0.0051	115	150	500/D
50	6	8.28	1.5	11.60	0.641	0.0051	130	200	500/D
70	12	9.75	1.5	13.00	0.443	0.0043	180	270	500/D
95	15	11.45	1.7	15.20	0.320	0.0042	220	370	500/D
120	15	12.95	1.7	16.70	0.253	0.0038	270	450	500/D
150	15	14.20	1.9	18.40	0.206	0.0038	300	555	500/D
185	30	15.98	2.1	20.50	0.164	0.0038	370	695	500/D
240	30	18.47	2.3	23.40	0.125	0.0036	450	900	500/D
300	30	20.50	2.5	25.90	0.110	0.0035	520	1115	500/D
400	53	23.35	2.7	33.10	0.0778	0.0033	620	1415	500/D
500	53	26.50	3.1	33.20	0.0605	0.0034	750	1835	500/D

C: Packing in coil.

D: Packing in drum.

SPECIFICATION