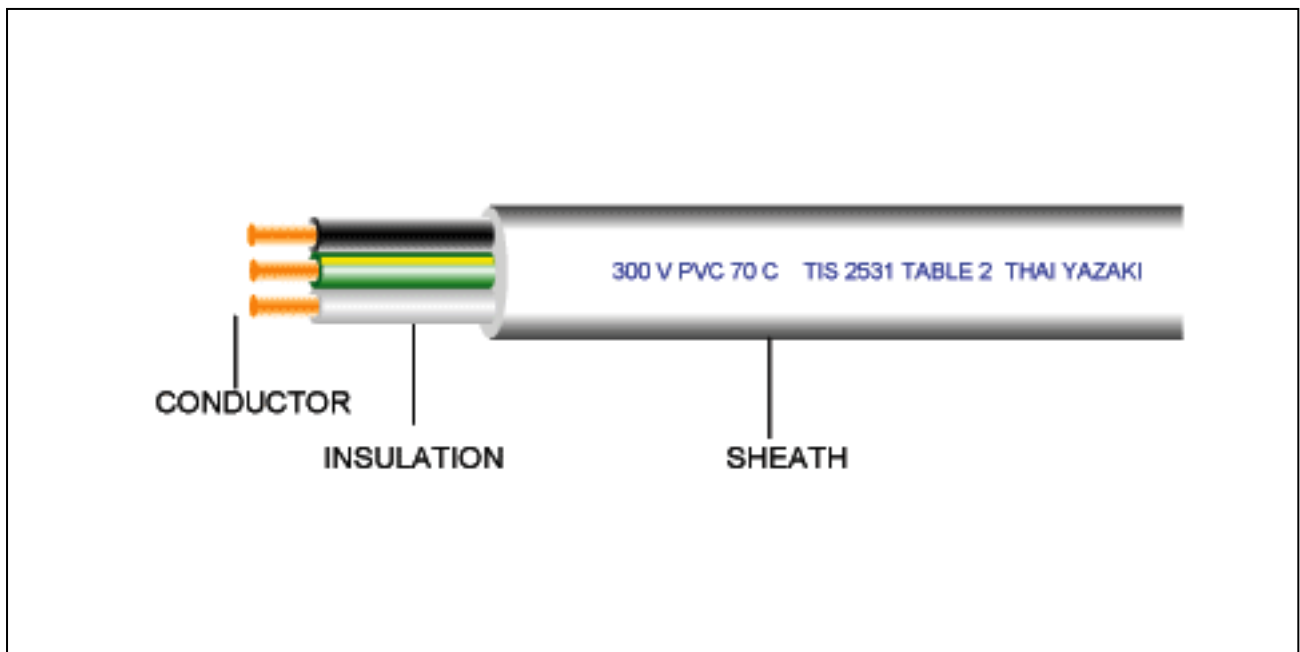


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# VAF-GRD

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300 V 70 °C PVC INSULATED AND SHEATHED FLAT TYPE, WITH GROUND



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: 2-3 cores with safety-ground : Solid and stranded annealed copper, sizes 1 mm <sup>2</sup> up to 35 mm <sup>2</sup>
<b>GROUND WIRE INSULATION</b>	: Ground conductor size 1 mm <sup>2</sup> up 10 mm <sup>2</sup> : PVC Color: 2 core-Light grey and Black 3 core-Light grey, Black and Red Ground core-Green/Yellow
<b>SHEATH</b>	: PVC Color: White
<b>CLASSIFICATION</b>	: Maximum conductor temperature 70 °C Circuit voltage not exceeding 300 volts
<b>TESTING VOLTAGE</b>	: 2,000 volts
<b>REFERENCE</b>	: TIS 11-2531, Table 11

# VAF-GRD

TIS 11-2531  
TABLE 11

Number of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Nominal cross sectional area of ground conductor (mm <sup>2</sup> )	Ground insulation thickness (mm)	Sheath thickness (mm)	Overall diameter (mm) Approx.		Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
							Lower limit	Upper limit				
2	1	7/ 1.13	0.6	1	0.6	0.9	4.0X8.4	4.8X10.0	0.0115	11	75	100/C
	1	1/ 0.43	0.6	1	0.6	0.9	4.0X8.6	5.0X10.5	0.0110	11	80	100/C
	1.5	1/ 1.38	0.6	1	0.6	1.2	4.8X9.4	5.8X11.5	0.0100	15	100	100/C
	1.5	7/ 0.53	0.6	1	0.6	1.2	4.9X9.8	6.0X12.0	0.0094	15	110	100/C
	2.5	1/ 1.78	0.7	1.5	0.6	1.2	5.4X10.5	6.4X13.0	0.0092	20	140	100/C
	2.5	7/ 0.67	0.7	1.5	0.6	1.2	5.6X11.5	6.8X14.0	0.0084	20	140	100/C
	4	1/ 2.25	0.8	2.5	0.6	1.2	6.0X12.5	7.2X15.0	0.0086	27	190	100/C
	4	7/ 0.85	0.8	2.5	0.6	1.2	6.2X13.0	7.6X16.0	0.0078	27	210	100/C
	6	7/ 1.04	0.8	4	0.6	1.2	6.8X15.0	8.2X17.5	0.0066	35	270	100/C
	10	7/ 1.35	1.0	4	0.6	1.2	8.0X17.0	9.4X20.0	0.0059	49	380	100/C
	16	7/ 1.70	1.0	6	0.6	1.2	9.2X20.0	11.0X23.0	0.0053	65	550	100/C
	25	7/ 2.14	1.2	6	0.6	1.4	11.0X24.0	13.0X27.0	0.0051	88	800	500/D
	35	19/ 1.53	1.2	10	0.6	1.4	12.0X27.0	14.5X31.	0.0043	109	1,100	500/D

TISI Permitted to increase the maximum overall diameter by 5 %

C: Packing in coil.

D: Packing in drum.

