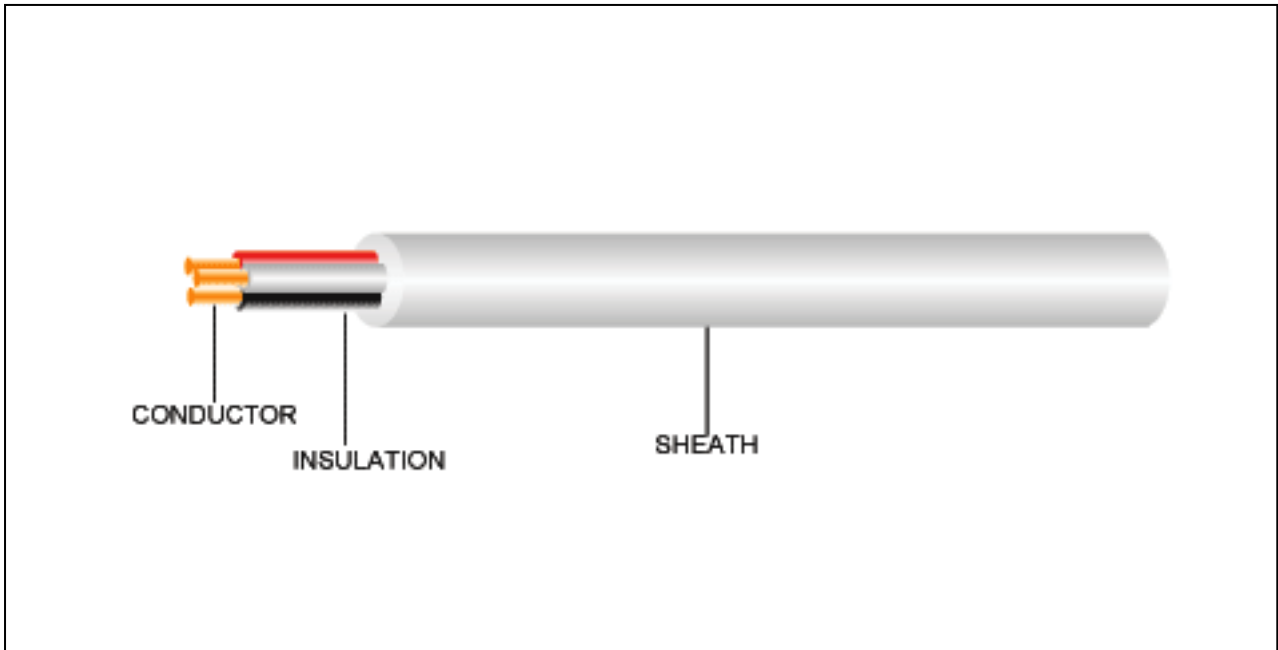

VVR-GRD

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



CABLE STRUCTURE

NUMBER OF CORE CONDUCTOR	: 2-4 cores with safety-ground : Solid and stranded annealed copper, sizes 1 mm ² up to 35 mm ²
GROUND WIRE INSULATION	: Ground conductor size 1 mm ² up 10 mm ² : PVC Color: 2 cores – Light gray and Black 3 cores – Light gray, Black and Red 4 cores - Light gray, Black, Red and Blue
SHEATH	: PVC Color: White
CLASSIFICATION	: Maximum conductor temperature 70 °C Circuit voltage not exceeding 300 volts
TESTING VOLTAGE	: 2,000 volts
REFERENCE	: TIS 11-2531, Table 12

VVR - GRD

TIS 11-2531
TABLE 12

Number of core	Nominal cross section area (mm ²)	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Nominal cross sectional area of ground conductor (mm ²)	Ground insulation thickness (mm)	Sheath thickness (mm)	Max. Overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Minimum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
2	1	1 / 1.13	0.6	1	0.6	0.9	8.0	0.0115	14	75	500/D
	1	7 / 0.43	0.6	1	0.6	0.9	8.4	0.0110	14	85	500/D
	1.5	1 / 1.38	0.6	1	0.6	1.2	9.2	0.0100	18	100	500/D
	1.5	7 / 0.53	0.6	1	0.6	1.2	9.6	0.0094	18	110	500/D
	2.5	1 / 1.78	0.7	1.5	0.6	1.2	10.5	0.0092	24	140	500/D
	2.5	7 / 0.67	0.7	1.5	0.6	1.2	11.5	0.0084	24	150	500/D
	4	1 / 2.25	0.8	2.5	0.6	1.2	12.5	0.0086	32	200	500/D
	4	7 / 0.85	0.8	2.5	0.6	1.2	13.0	0.0078	32	210	500/D
	6	7 / 1.04	0.8	4	0.6	1.2	14.5	0.0066	43	290	500/D
	10	7 / 1.35	0.9	4	0.6	1.2	16.0	0.0059	60	410	500/D
	16	7 / 1.70	1.0	6	0.6	1.4	19.0	0.0053	80	600	500/D
	25	7 / 2.14	1.2	6	0.6	1.4	22.5	0.0051	107	850	500/D
35	19 / 1.53	1.2	10	0.6	1.4	25.5	0.0043	132	1,200	500/D	
3	1	1 / 1.13	0.6	1	0.6	0.9	8.6	0.0115	11	95	500/D
	1	7 / 0.43	0.6	1	0.6	0.9	9.0	0.0110	11	100	500/D
	1.5	1 / 1.38	0.6	1	0.6	1.2	10.0	0.0100	15	120	500/D
	1.5	7 / 0.53	0.6	1	0.6	1.2	10.5	0.0094	15	140	500/D
	2.5	1 / 1.78	0.7	1.5	0.6	1.2	11.5	0.0092	20	180	500/D
	2.5	7 / 0.67	0.7	1.5	0.6	1.2	12.5	0.0084	20	190	500/D
	4	1 / 2.25	0.8	2.5	0.6	1.2	13.5	0.0086	27	260	500/D
	4	7 / 0.85	0.8	2.5	0.6	1.2	14.0	0.0078	27	280	500/D
	6	7 / 1.04	0.8	4	0.6	1.2	15.5	0.0066	36	370	500/D
	10	7 / 1.35	0.9	4	0.6	1.2	18.5	0.0059	50	550	500/D
	16	7 / 1.70	1.0	6	0.6	1.4	22.0	0.0053	67	800	500/D
	25	7 / 2.14	1.2	6	0.6	1.8	27.5	0.0051	90	1,200	500/D
35	19 / 1.53	1.2	10	0.6	1.8	30.5	0.0043	110	1,600	500/D	
4	1	1 / 1.13	0.6	1	0.6	0.9	9.2	0.0115	10	120	500/D
	1	7 / 0.43	0.6	1	0.6	0.9	9.8	0.0110	10	130	500/D
	1.5	1 / 1.38	0.6	1	0.6	1.2	11.0	0.0100	13	160	500/D
	1.5	7 / 0.53	0.6	1	0.6	1.2	11.5	0.0094	13	170	500/D
	2.5	1 / 1.78	0.7	1.5	0.6	1.2	12.5	0.0092	18	220	500/D
	2.5	7 / 0.67	0.7	1.5	0.6	1.2	13.5	0.0084	18	240	500/D
	4	1 / 2.25	0.8	2.5	0.6	1.2	14.5	0.0086	25	320	500/D
	4	7 / 0.85	0.8	2.5	0.6	1.2	15.5	0.0078	25	350	500/D
	6	7 / 1.04	0.8	4	0.6	1.2	17.0	0.0066	33	470	500/D
	10	7 / 1.35	0.9	4	0.6	1.4	20.5	0.0059	45	700	500/D
	16	7 / 1.70	1.0	6	0.6	1.4	24.5	0.0053	60	1,000	500/D
	25	7 / 2.14	1.2	6	0.6	1.8	30.0	0.0051	81	1,600	500/D
35	19 / 1.53	1.2	10	0.6	1.8	33.5	0.0043	99	2,000	500/D	

TISI permitted to increase the maximum overall diameter by 5 %
D : Packing in drum.