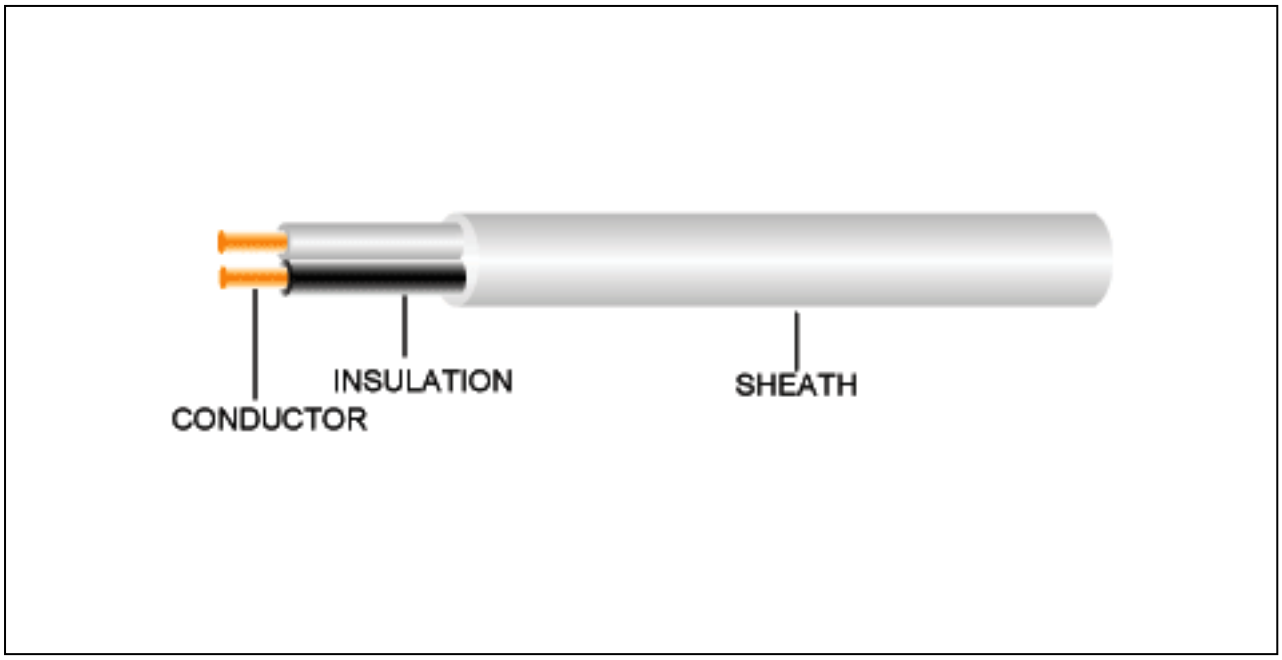
VVR

300 V 70 ^{0} C PVC INSULATED AND SHEATHED ROUND TYPE



CABLE STRUCTURE

NUMBER OF CORE	:	Up to 4 cores
CONDUCTOR	:	Solid and stranded annealed copper, sizes 0.5 mm^2 up to 35 mm^2
INSULATION	:	PVC Color: Single core – Light gray 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 V
TESTING VOLTAGE	:	2,000 volts
REFERENCE	:	TIS 11-2531, Table 2 (Single core)
	:	TIS 11-2531, Table 3 (Multi core)

VVR (SINGLE CORE)

TIS11-2531
TABLE 2

Number of core	Nominal cross section area (mm^2)	Number and diameter of wire (No./mm)	Insulatio thickness (mm)	Sheath thickness (mm)	Max overall diameter (mm)	Minimum insulation resistance at 70 ^{0}C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
	0.5	1 / 0.80	0.6	0.9	4.4	0.0146	10	21	500/D
	1	1 / 1.13	0.6	0.9	4.8	0.0115	15	28	500/D
	1	7 / 0.43	0.6	0.9	5.0	0.0110	15	30	500/D
	1.5	1 / 1.38	0.6	0.9	5.2	0.0100	19	34	500/D
	1.5	7 / 0.53	0.6	0.9	5.4	0.0094	19	37	500/D
	2.5	1 / 1.78	0.7	0.9	5.8	0.0092	26	48	500/D
1	2.5	7 / 0.67	0.7	0.9	6.2	0.0084	26	50	500/D
	4	1 / 2.25	0.8	0.9	6.6	0.0086	35	65	500/D
	4	7 / 0.85	0.8	0.9	7.0	0.0078	35	70	500/D
	6	7 / 1.04	0.8	0.9	7.6	0.0066	46	95	500/D
	10	7 / 1.35	0.9	0.9	8.6	0.0059	64	140	500/D
	16	7 / 1.70	1.0	1.2	11.0	0.0053	87	220	500/D
	25	7 / 2.14	1.2	1.2	12.5	0.0051	117	330	500/D
	35	19 / 1.53	1.2	1.2	14.0	0.0043	144	430	500/D

D: Packing in drum.

VVR (MULTI CORE)

TIS 11-2531
TABLE 3

Number of core	Nominal cross section area (mm^2)	Number and diameter of wire (No./mm)	Insulatio thickness (mm)	Sheath thickness (mm)	Max overall diameter (mm)	Minimum insulation resistance at 70 ^0C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
2	0.5	1 / 0.80	0.6	0.9	6.8	0.0146	9	50	500/D
	1	1 / 1.13	0.6	0.9	7.6	0.0115	14	65	500/D
	1	7 / 0.43	0.6	0.9	8.0	0.0110	14	70	500/D
	1.5	1 / 1.38	0.6	1.2	8.8	0.0100	18	90	500/D
	1.5	7 / 0.53	0.6	1.2	9.2	0.0094	18	100	500/D
	2.5	1 / 1.78	0.7	1.2	10.0	0.0092	24	130	500/D
	2.5	7 / 0.67	0.7	1.2	11.0	0.0084	24	140	500/D
	4	1 / 2.25	0.8	1.2	11.5	0.0086	32	180	500/D
	4	7 / 0.85	0.8	1.2	12.5	0.0078	32	200	500/D
	6	7 / 1.04	0.8	1.2	13.5	0.0066	43	260	500/D
	10	7 / 1.35	0.9	1.2	16.0	0.0059	60	380	500/D
	16	7 / 1.70	1.0	1.4	19.0	0.0053	80	550	500/D
	25	7 / 2.14	1.2	1.4	22.5	0.0051	107	850	500/D
	35	19 / 1.53	1.2	1.4	25.5	0.0043	132	1,100	500/D
3	0.5	1 / 0.80	0.6	0.9	7.2	0.0146	7	55	500/D
	1	1 / 1.13	0.6	0.9	8.0	0.0115	11	75	500/D
	1	7 / 0.43	0.6	0.9	8.4	0.0110	11	85	500/D
	1.5	1 / 1.38	0.6	1.2	9.2	0.0100	15	110	500/D
	1.5	7 / 0.53	0.6	1.2	9.6	0.0094	15	120	500/D
	2.5	1 / 1.78	0.7	1.2	10.5	0.0092	20	160	500/D
	2.5	7 / 0.67	0.7	1.2	11.5	0.0084	20	170	500/D
	4	1 / 2.25	0.8	1.2	12.5	0.0086	27	230	500/D
	4	7 / 0.85	0.8	1.2	13.0	0.0078	27	240	500/D
	6	7 / 1.04	0.8	1.2	14.5	0.0066	36	320	500/D
	10	7 / 1.35	0.9	1.2	17.0	0.0059	50	490	500/D
	16	7 / 1.70	1.0	1.4	20.0	0.0053	67	750	500/D
	25	7 / 2.14	1.2	1.8	25.0	0.0051	90	1,200	500/D
	35	19 / 1.53	1.2	1.8	28.0	0.0043	110	1,500	500/D
4	0.5	1 / 0.80	0.6	0.9	7.8	0.0146	7	65	500/D
	1	1 / 1.13	0.6	0.9	8.6	0.0115	10	90	500/D
	1	7 / 0.43	0.6	0.9	9.0	0.0110	10	100	500/D
	1.5	1 / 1.38	0.6	1.2	10.0	0.0100	13	130	500/D
	1.5	7 / 0.53	0.6	1.2	10.5	0.0094	13	140	500/D
	2.5	1 / 1.78	0.7	1.2	11.5	0.0092	18	190	500/D
	2.5	7 / 0.67	0.7	1.2	12.5	0.0084	18	200	500/D
	4	1 / 2.25	0.8	1.2	13.5	0.0086	25	280	500/D
	4	7 / 0.85	0.8	1.2	14.0	0.0078	25	300	500/D
	6	7 / 1.04	0.8	1.2	15.5	0.0066	33	400	500/D
	10	7 / 1.35	0.9	1.4	19.0	0.0059	45	650	500/D
	16	7 / 1.70	1.0v	1.4	22.0	0.0053	60	950	500/D
	25	7 / 2.14	1.2	1.8	27.5	0.0051	81	1,500	500/D
	35	19 / 1.53	1.2	1.8	30.5	0.0043	99	1,900	500/D

TISI per milted to increase the maximum overall diameter by 5%
D : Packing in drum