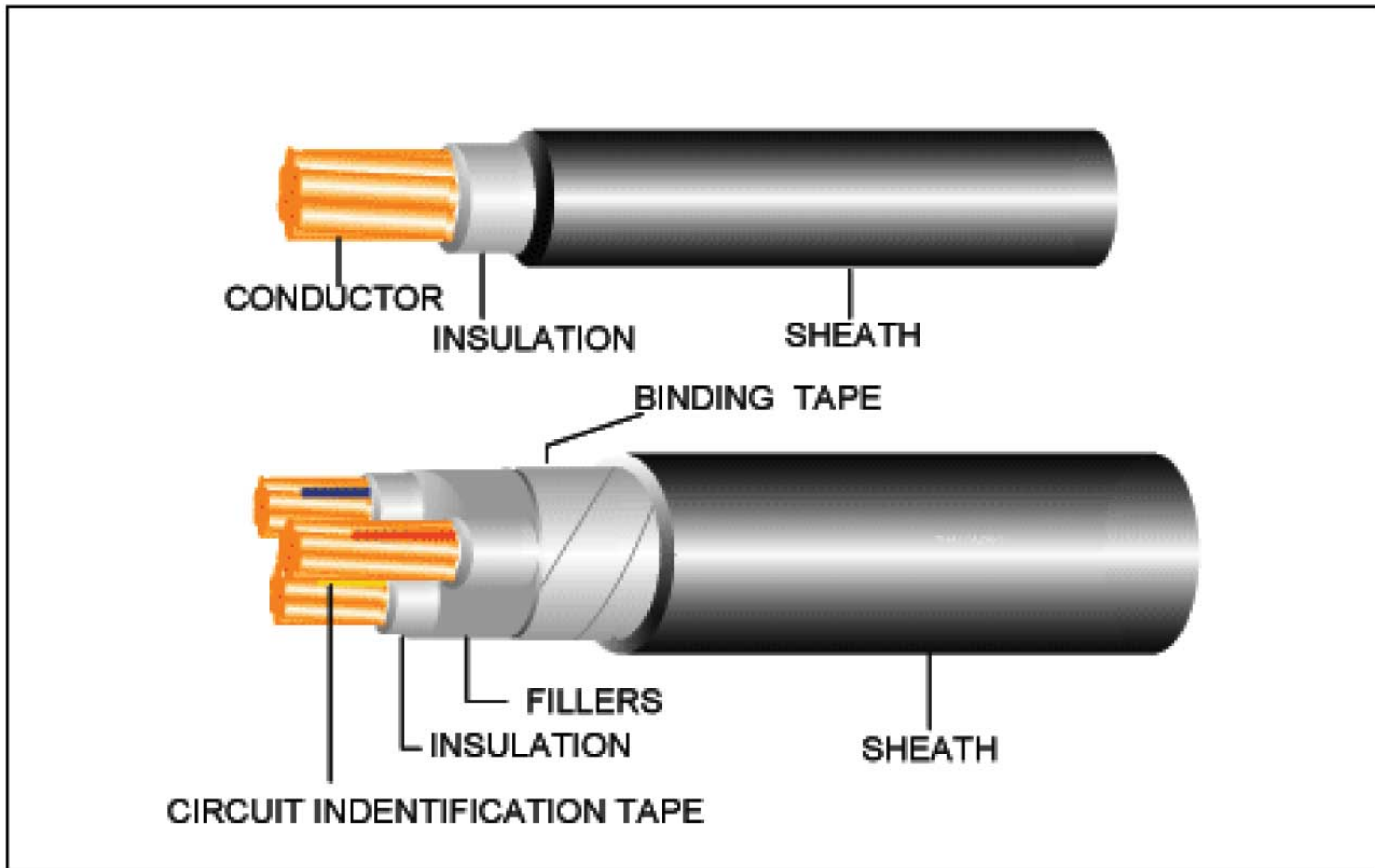


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## 0.6 /1.2 KV-CV

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0.6/1 kV. 90 ° C CROSS- LINMED POLYETHYLENE INSULATED PVC SHEATED POWER



### CABLE STRUCTURE

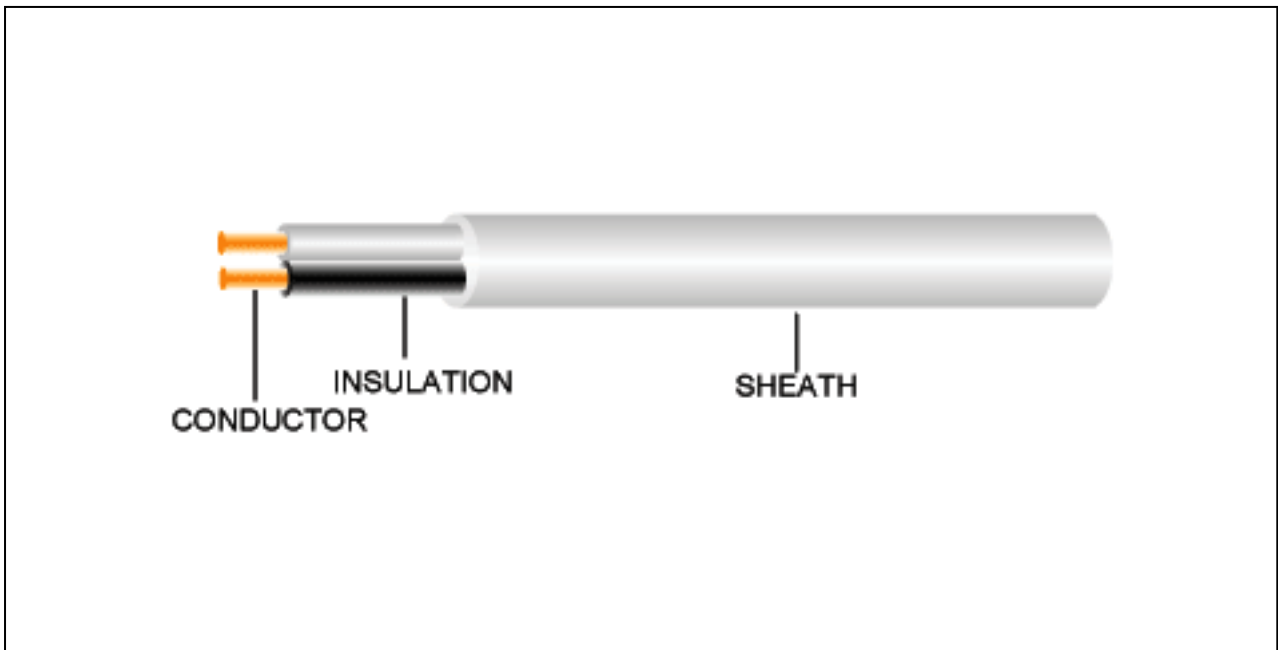
<b>NUMBER OF CORE CONDUCTOR</b>	: up to 4 cores : Concentric stranded and compact round stranded annealed copper, Sizes. 1.5 mm <sup>2</sup> up to 1,000 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color : Natural (Translucent) Core identification: Compound color Black, White, Red, green or color tape
<b>SHEATH CLASSIFICATION</b>	: PVC : Maximum conductor temperature 90°C Circuit voltage not exceeding 1,000 volts
<b>TESTING VOLTAGE REFERENCE</b>	: 3,500 volts : IEC 60502-2

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# VVR

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300 V 70 °C PVC INSULATED AND SHEATHED ROUND TYPE



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	:	Up to 4 cores
	:	Solid and stranded annealed copper, sizes 0.5 mm <sup>2</sup> up to 35 mm <sup>2</sup>
<b>INSULATION</b>	:	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
<b>SHEATH</b>	:	PVC
		Color: White
<b>CLASSIFICATION</b>	:	Maximum conductor temperature 70 °C
		Circuit voltage not exceeding 300 V
<b>TESTING VOLTAGE</b>	:	2,000 volts
<b>REFERENCE</b>	:	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 <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Sheath thickness (mm)	Max overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	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
	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 <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Sheath thickness (mm)	Max overall diameter (mm)	Minimum insulation resistance at 70 °C (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%

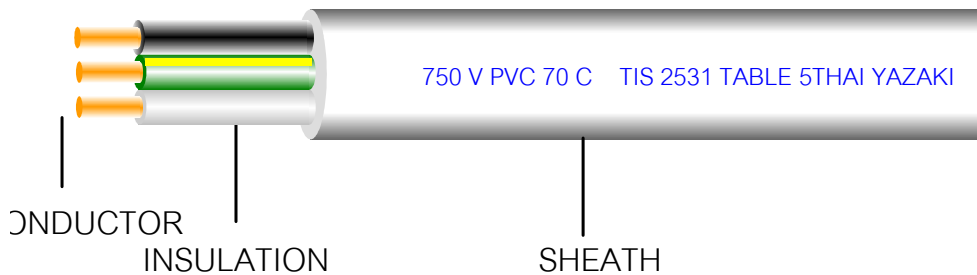
D : Packing in drum

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# VVF-GRD, MEA TYE B-GRD

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



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: 2 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 to 10 mm <sup>2</sup>
	: PVC Color : Light grey, Black Ground core-Green/Yellow
<b>SHEATH</b>	: PVC Color: White
<b>CLASSIFICATION</b>	: Maximum conductor temperature 70 °C Circuit voltage not exceeding 750 volts
<b>TESTING VOLTAGE</b>	: 2,500 volts
<b>REFERENCE</b>	: TIS 11-2531, Table 13



# VVF-GRD

TIS 11-2531  
TABLE 13

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				
1	7/ 1.13	0.8	1	0.6	1.4	5.2X10.0	6.4X12.0	0.0141	12	100	100/C
1	1/ 0.43	0.8	1	0.6	1.4	5.4X10.0	6.6X12.5	0.0135	12	110	100/C
1.5	1/ 1.38	0.8	1	0.6	1.4	5.6X10.5	6.6X12.5	0.0123	15	110	100/C
1.5	7/ 0.53	0.8	1	0.6	1.4	5.6X11.0	7.0X13.0	0.0116	15	120	100/C
2.5	1/ 1.78	0.8	1.5	0.6	1.4	5.8X11.5	7.2X14.0	0.0102	20	150	100/C
2.5	7/ 0.67	0.8	1.5	0.6	1.4	6.2X12.0	7.4X14.5	0.0093	20	160	100/C
4	1/ 2.25	0.9	2.5	0.6	1.4	6.6X13.0	7.8X15.5	0.0094	27	200	100/C
4	7/ 0.85	0.9	2.5	0.6	1.4	6.2X13.0	8.2X16.5	0.0085	27	220	100/C
6	7/ 1.04	0.9	4	0.6	1.4	6.8X14.0	8.8X18.5	0.0073	36	290	100/C
10	7/ 1.35	1.1	4	0.6	1.5	8.8X18.5	10.5X21.5	0.0069	50	420	100/C
16	7/ 1.70	1.1	6	0.6	1.5	9.8X21.0	11.5X24.5	0.0057	66	600	100/C
25	7/ 2.14	1.3	6	0.6	1.6	11.5X24.5	13.5X28.0	0.0054	89	850	500/D
35	19/ 1.53	1.3	10	0.6	1.7	13.0X28.0	13.0X32.0	0.0047	109	1,100	500/D

TISI Permitted to increase the maximum overall diameter by 5 %

C: Packing in coil.

D: Packing in drum.

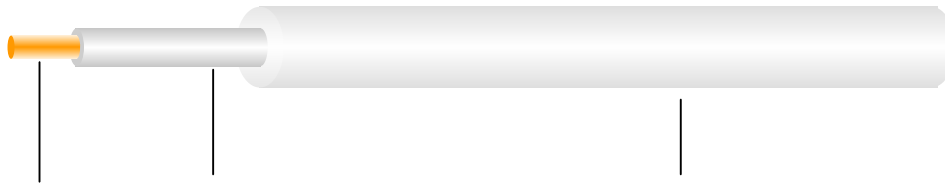


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## VV, MEA TYPE B

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750 V 70 °C PVC INSULATED AND SHEATHED ROUND TYPE, SINGLE CORE



### CABLE STRUCTURE

<b>CONDUCTOR</b>	:	Solid and stranded annealed copper, sizes 1 mm <sup>2</sup> up to 35 mm <sup>2</sup>
<b>INSULATION</b>	:	PVC Color : Light gray
<b>SHEATH</b>	:	PVC Color: White
<b>CLASSIFICATION</b>	:	Maximum conductor temperature 70 °C Circuit voltage not exceeding 750 Volts
<b>TESTING VOLTAGE</b>	:	2,500 volts
<b>REFERENCE</b>	:	TIS 11-2531, Table 5



# VV, MEA TYPE B SINGLE CORE

TIS11-2531  
TABLE 5

Number of core	Nominal cross section area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Sheath thickness (mm)	Max overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	1	1 / 1.13	0.6	1.0	5.4	0.0141	15	35	500/D
	1	7 / 0.43	0.8	1.0	5.6	0.0135	15	36	500/D
	1.5	1 / 1.38	0.8	1.0	5.8	0.0123	20	41	500/D
	1.5	7 / 0.53	0.8	1.0	6.0	0.0126	20	43	500/D
	2.5	1 / 1.78	0.8	1.2	6.6	0.0102	27	55	500/D
	2.5	7 / 0.67	0.8	1.2	7.0	0.0093	27	60	500/D
	4	1 / 2.25	0.9	1.2	7.4	0.0094	36	80	500/D
	4	7 / 0.85	0.9	1.2	7.8	0.0085	36	80	500/D
	6	7 / 1.04	0.9	1.4	8.8	0.0073	47	110	500/D
	10	7 / 1.35	1.1	1.4	10.5	0.0069	66	170	500/D
	16	7 / 1.70	1.1	1.5	11.5	0.0057	88	240	500/D
	25	7 / 2.14	1.3	1.5	13.5	0.0054	118	360	500/D
	35	19 / 1.53	1.3	1.6	15.0	0.0047	145	470	500/D

D: Packing in drum.



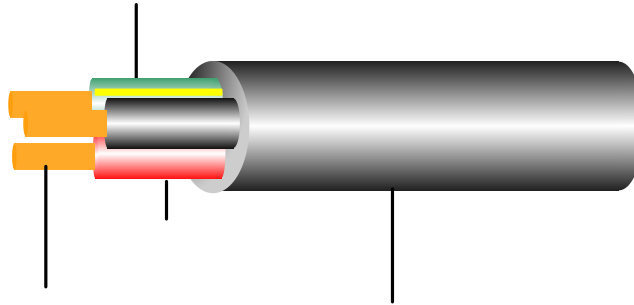


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# VCT-GRD

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750 V 70 °C PVC INSULATED AND SHEATHED FLEXIBLE CONDUCTOR WITH GROUND



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	:	2 up to 4 phase cores with ground core
	:	Flexible annealed copper wires, sizes 1 mm <sup>2</sup> up to 35 mm <sup>2</sup>
		Ground conductor size 1 mm <sup>2</sup> up to 10 mm <sup>2</sup>
<b>INSULATION</b>	:	PVC
	Color :	2 cores – Light gray and Black
		3 cores – Light gray, Black and Red
		4 cores - Light gray, Black, Red and Blue
<b>SHEATH</b>	:	PVC
	Color:	White
<b>CLASSIFICATION</b>	:	Maximum conductor temperature 70 °C
		Circuit voltage not exceeding 750 volts
<b>TESTING VOLTAGE</b>	:	2,500 volts
<b>REFERENCE</b>	:	TIS 11-2531, Table 15

# VCT - GRD

TIS 11-2531  
TABLE 12

Number of core	Nominal cross section 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)	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	32/0.20	0.8	1	0.6	1.2	10.5	0.0127	14	100	100/C
	1.5	30/0.25	0.8	1	0.6	1.4	11.5	0.0111	18	130	100/C
	2.5	50/0.25	0.8	1.5	0.6	1.4	13.0	0.0092	24	170	100/C
	4	56/0.30	0.9	2.5	0.6	1.6	15.5	0.0084	33	240	100/C
	6	84/0.30	0.9	4	0.6	1.6	17.0	0.0071	42	330	100/C
	10	84/0.30	1.1	4	0.6	1.8	20.0	0.0068	60	550	500/D
	16	126/0.40	1.1	6	0.6	2.2	23.0	0.0050	80	750	500/D
	25	196/0.40	1.3	6	0.6	2.4	27.5	0.0048	104	1,100	500/D
35	280/0.40	1.3	10	0.6	2.6	31.0	0.0041	130	1,500	500/D	
3	1	32/0.20	0.8	1	0.6	1.4	11.5	0.0127	12	130	100/C
	1.5	30/0.25	0.8	1	0.6	1.4	12.5	0.0111	15	160	100/C
	2.5	50/0.25	0.8	1.5	0.6	1.4	14.5	0.0092	20	210	100/C
	4	56/0.30	0.9	2.5	0.6	1.6	17.0	0.0084	27	310	100/C
	6	84/0.30	0.9	4	0.6	1.8	19.0	0.0071	35	440	100/C
	10	84/0.30	1.1	4	0.6	2.0	23.5	0.0068	51	650	500/D
	16	126/0.40	1.1	6	0.6	2.4	27.5	0.0050	67	950	500/D
	25	196/0.40	1.3	6	0.6	2.6	32.5	0.0048	87	1,400	500/D
35	280/0.40	1.3	10	0.6	2.8	36.5	0.0041	108	1,800	500/D	
4	1	32/0.20	0.8	1	0.6	1.6	13.0	0.0127	11	180	100/C
	1.5	30/0.25	0.8	1	0.6	1.6	13.5	0.0111	13	210	100/C
	2.5	50/0.25	0.8	1.5	0.6	1.6	16.0	0.0092	18	270	100/C
	4	56/0.30	0.9	2.5	0.6	1.8	18.5	0.0084	25	400	100/C
	6	84/0.30	0.9	4	0.6	2.0	21.0	0.0071	32	550	500/D
	10	84/0.30	1.1	4	0.6	2.2	26.0	0.0068	46	900	500/D
	16	126/0.40	1.1	6	0.6	2.6	30.5	0.0050	60	1,200	500/D
	25	196/0.40	1.3	6	0.6	2.8	36.0	0.0048	78	1,700	500/D
35	280/0.40	1.3	10	0.6	3.1	40.5	0.0041	97	2,400	500/D	

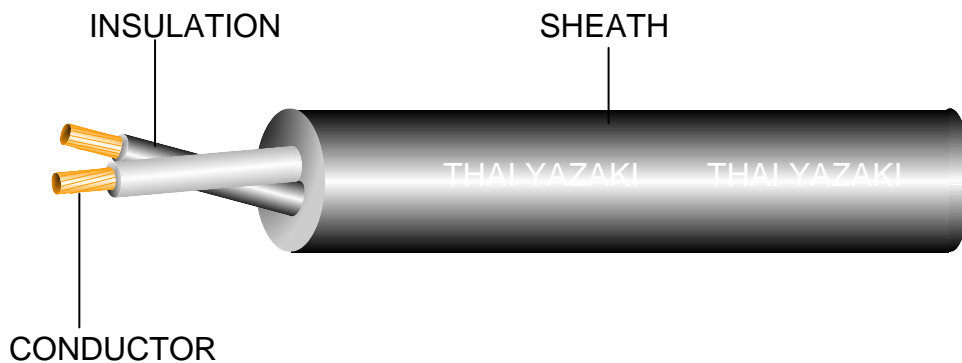
TISI permitted to increase the maximum overall diameter by 5 %  
D : Packing in drum.

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# VCT

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## 750 V 70 °C PVC INSULATED AND SHEATHED FLEXIBLE CABLE



### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	:	Up to 4 cores
	:	Flexible annealed copper wire, Sizes.0.5 mm <sup>2</sup> up to 95 mm <sup>2</sup> for single core 0.5 mm <sup>2</sup> up to 35 mm <sup>2</sup> for multi core
<b>INSULATION</b>	:	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
<b>SHEATH</b>	:	PVC
		Color: White
<b>CLASSIFICATION</b>	:	Maximum conductor temperature 70 °C Circuit voltage not exceeding 750 Volts
<b>TESTING VOLTAGE</b>	:	2,500 volts
<b>REFERENCE</b>	:	TIS 11-2531, Table 9

# VCT

TIS 11-2531  
TABLE 3

Number of core	Nominal cross section area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Sheath thickness (mm)	Max overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	0.5	16 / 0.20	0.8	1.0	5.4	0.0160	10	28	100/C
	0.75	24 / 0.20	0.8	1.0	5.6	0.0140	13	32	100/C
	1	32 / 0.25	0.8	1.2	6.2	0.0127	15	40	100/C
	1.5	30 / 0.25	0.8	1.2	6.6	0.0111	19	47	100/C
	2.5	50 / 0.25	0.8	1.2	7.4	0.0092	27	60	100/C
	4	56 / 0.30	0.9	1.4	8.6	0.0084	36	85	100/C
	6	84 / 0.30	0.9	1.4	9.4	0.0071	46	120	100/C
	10	80 / 0.40	1.1	1.8	12.0	0.0068	67	200	100/C
	16	126 / 0.40	1.1	1.8	13.5	0.0050	88	270	100/C
	25	196 / 0.40	1.3	2.2	16.0	0.0048	116	400	100/C
	35	280 / 0.40	1.3	2.2	17.5	0.0041	145	550	500/D
	50	399 / 0.40	1.5	2.6	21.0	0.0040	181	750	500/D
	70	361 / 0.50	1.5	2.6	23.0	0.0034	226	950	500/D
95	475 / 0.50	1.7	3.0	26.5	0.0034	268	1,300	500/D	
2	0.5	16 / 0.20	0.8	1.2	8.8	0.0160	9	75	100/C
	0.75	24 / 0.20	0.8	1.2	9.2	0.0140	12	85	100/C
	1	32 / 0.25	0.8	1.2	9.6	0.0127	14	95	100/C
	1.5	30 / 0.25	0.8	1.4	11.0	0.0111	18	120	100/C
	2.5	50 / 0.25	0.8	1.4	12.5	0.0092	24	160	100/C
	4	56 / 0.30	0.9	1.6	14.5	0.0084	33	230	100/C
	6	84 / 0.30	0.9	1.6	16.0	0.0071	42	300	100/C
	10	80 / 0.40	1.1	1.8	20.0	0.0068	60	500	500/D
	16	126 / 0.40	1.1	2.2	23.0	0.0050	80	700	500/D
	25	196 / 0.40	1.3	2.4	27.5	0.0048	104	1,000	500/D
35	280 / 0.40	1.3	2.6	31.0	0.0041	130	1,400	500/D	
3	0.5	16 / 0.20	0.8	1.2	7.8	0.0146	7	65	500/D
	0.75	24 / 0.20	0.8	1.2	8.6	0.0115	10	90	500/D
	1	32 / 0.25	0.8	1.4	9.0	0.0110	10	100	500/D
	1.5	30 / 0.25	0.8	1.4	10.0	0.0100	13	130	500/D
	2.5	50 / 0.25	0.8	1.4	10.5	0.0094	13	140	500/D
	4	56 / 0.30	0.9	1.6	11.5	0.0092	18	190	500/D
	6	84 / 0.30	0.9	1.8	12.5	0.0084	18	200	500/D
	10	80 / 0.40	1.1	2.0	13.5	0.0086	25	280	500/D
	16	126 / 0.40	1.1	2.4	14.0	0.0078	25	300	500/D
	25	196 / 0.40	1.3	2.6	15.5	0.0066	33	400	500/D
35	280 / 0.40	1.3	2.8	19.0	0.0059	45	650	500/D	
4	0.5	16 / 0.20	0.8	0.9	7.8	0.0146	7	65	500/D
	0.75	24 / 0.20	0.8	0.9	8.6	0.0115	10	90	500/D
	1	32 / 0.25	0.8	0.9	9.0	0.0110	10	100	500/D
	1.5	30 / 0.25	0.8	1.2	10.0	0.0100	13	130	500/D
	2.5	50 / 0.25	0.8	1.2	10.5	0.0094	13	140	500/D
	4	56 / 0.30	0.9	1.2	11.5	0.0092	18	190	500/D
	6	84 / 0.30	0.9	1.2	12.5	0.0084	18	200	500/D
	10	80 / 0.40	1.1	1.2	13.5	0.0086	25	280	500/D
	16	126 / 0.40	1.1	1.2	14.0	0.0078	25	300	500/D
	25	196 / 0.40	1.3	1.2	15.5	0.0066	33	400	500/D
35	280 / 0.40	1.3	1.4	19.0	0.0059	45	650	500/D	

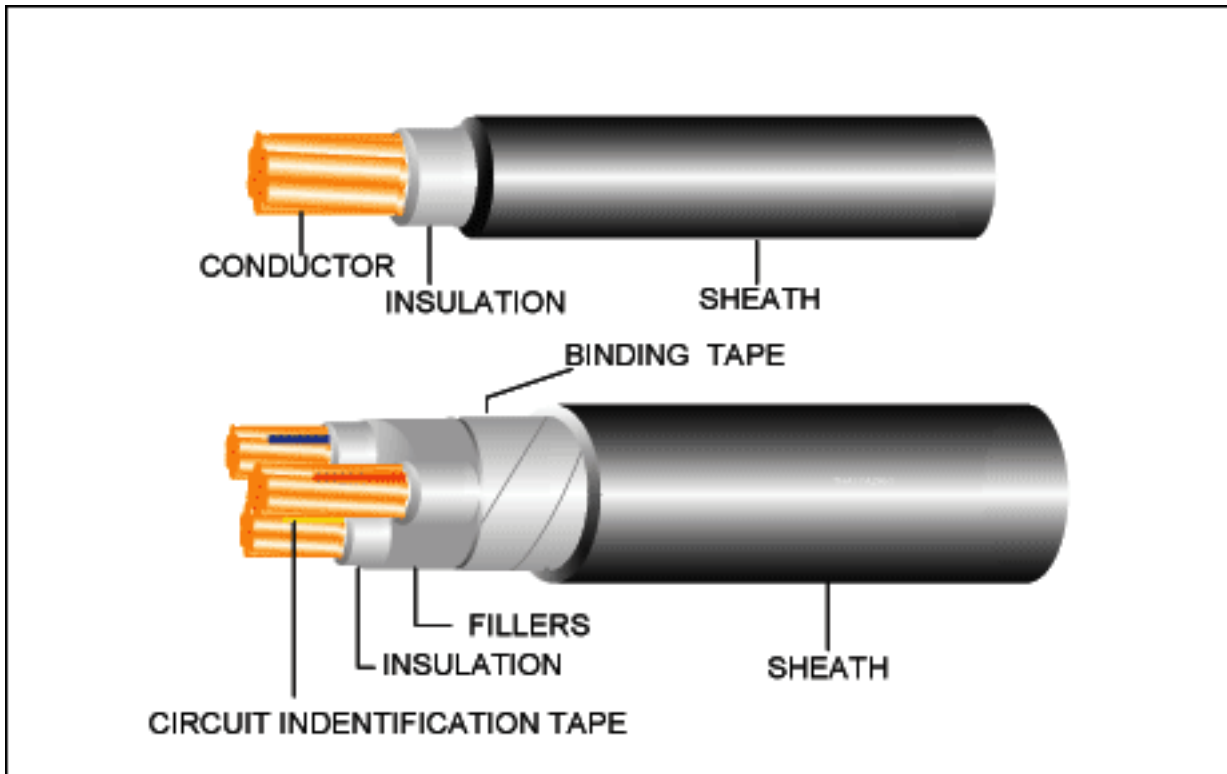


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## 0.6 /1.2 KV-CV

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0.6/1 kV. 90 ° C CROSS- LINKED POLYETHYLENE INSULATED PVC SHEATED POWER



### CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: up to 4 cores
	: Concentric stranded and compact round stranded annealed copper, Sizes. 1.5 mm <sup>2</sup> up to 1,000 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color : Natural (Translucent) Core identification: Compound color Black, White, Red, green or color tape
<b>SHEATH</b>	: PVC
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90°C Circuit voltage not exceeding 1,000 volts
<b>TESTING VOLTAGE</b>	: 3,500 volts
<b>REFERENCE</b>	: IEC 60502-2

# 0.6/1.2 KV-CV

IEC 60502-1 Standard

Number of cores	Nominal cross sectional area (mm <sup>2</sup> )	Number of stranded (Min)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 20 °C (MΩ-Km)	Maximum continuous current rating in free air (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard length (m)
1	1.5	7/0.53	0.7	1.4	6.3	12.1	2,500	27	50	500/D
	2.5	7/0.67	0.7	1.4	6.8	7.41	2,100	36	60	500/D
	4	7/0.85	0.7	1.4	7.3	4.61	1,700	48	80	500/D
	6	7/1.04	0.7	1.4	7.9	3.08	1,450	61	100	500/D
	10	6	0.7	1.4	8.4	1.83	1,250	82	140	500/D
	16	6	0.7	1.4	9.4	1.15	1,000	110	200	500/D
	25	6	0.9	1.4	11.0	0.727	1,050	145	300	500/D
	35	6	0.9	1.4	12.0	0.524	900	180	400	500/D
	50	6	1.0	1.4	13.5	0.387	850	220	500	500/D
	70	12	1.1	1.4	15.0	0.268	800	280	750	500/D
	95	15	1.1	1.5	17.5	0.193	650	345	1,000	500/D
	120	18	1.2	1.5	19.0	0.153	650	400	1,200	500/D
	150	18	1.4	1.6	21	0.124	700	460	1,500	500/D
	185	30	1.6	1.6	23	0.0991	700	530	1,900	500/D
	240	34	1.7	1.7	26	0.0754	650	630	2,500	500/D
	300	34	1.8	1.8	29	0.0601	600	725	3,100	500/D
	400	53	2.0	1.9	32	0.0470	600	840	3,900	500/D
	500	53	2.2	2.0	36	0.0366	600	975	5,000	500/D
630	53	2.4	2.2	40	0.0283	550	1,125	6,500	500/D	
800	53	2.6	2.3	45	0.0221	550	1,320	8,500	300/D	
1,000	53	2.8	2.4	51	0.0176	500	1,510	10,500	300/D	
2	1.5	7/0.53	0.7	1.8	11.0	12.1	2,500	25	130	500/D
	2.5	7/0.67	0.7	1.8	12.0	7.41	2,100	34	160	500/D
	4	7/0.85	0.7	1.8	13.0	4.61	1,700	44	200	500/D
	6	7/1.04	0.7	1.8	14.0	3.08	1,450	57	260	500/D
	10	6	0.7	1.8	15.0	1.83	1,250	77	340	500/D
	16	6	0.7	1.8	17.0	1.15	1,000	100	480	500/D
	25	6	0.9	1.8	20	0.727	1,050	135	700	500/D
	35	6	0.9	1.8	23	0.524	900	165	900	500/D
	50	6	1.0	1.8	25	0.387	850	205	1,200	500/D
	70	12	1.1	1.8	29	0.268	800	255	1,700	500/D
	95	15	1.1	2.0	33	0.193	650	315	2,300	500/D
	120	18	1.2	2.1	37	0.153	650	365	2,800	500/D
	150	18	1.4	2.2	41	0.124	700	415	3,500	500/D
	185	30	1.6	2.3	45	0.0991	700	485	4,300	500/D
	240	34	1.7	2.5	51	0.0754	650	580	5,500	500/D
	300	34	1.8	2.7	56	0.0601	600	675	7,000	300/D
	400	53	2.0	2.9	63	0.0470	600	790	9,000	300/D

D : PACKING IN DRUM

# 0.6/1.2 KV-CV

IEC 60502-1 Standard

Number of cores	Nominal cross sectional area (mm <sup>2</sup> )	Number of stranded (Min)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 20 °C (MΩ-Km)	Maximum continuous current rating in free air (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard length (m)
3	1.5	7/0.53	0.7	1.8	11.5	12.1	2,500	21	150	500/D
	2.5	7/0.67	0.7	1.8	12.5	7.41	2,100	28	190	500/D
	4	7/0.85	0.7	1.8	13.5	4.61	1,700	37	240	500/D
	6	7/1.04	0.7	1.8	15.0	3.08	1,450	48	320	500/D
	10	6	0.7	1.8	16.0	1.83	1,250	64	440	500/D
	16	6	0.7	1.8	18.0	1.15	1,000	86	650	500/D
	25	6	0.9	1.8	22	0.727	1,050	115	950	500/D
	35	6	0.9	1.8	24	0.524	900	140	1,300	500/D
	50	6	1.0	1.8	27	0.387	850	170	1,600	500/D
	70	12	1.1	1.9	31	0.268	800	215	2,300	500/D
	95	15	1.1	2.0	36	0.193	650	260	3,100	500/D
	120	18	1.2	2.1	39	0.153	650	305	4,000	500/D
	150	18	1.4	2.3	44	0.124	700	350	4,900	500/D
	185	30	1.6	2.4	49	0.0991	700	405	6,000	500/D
	240	34	1.7	2.6	55	0.0754	650	490	8,000	300/D
	300	34	1.8	2.8	61	0.0601	600	565	10,000	300/D
	400	53	2.0	3.1	68	0.0470	600	655	12,500	200/D
4	1.5	7/0.53	0.7	1.8	12.0	12.1	2,500	21	180	500/D
	2.5	7/0.67	0.7	1.8	13.5	7.41	2,100	28	230	500/D
	4	7/0.85	0.7	1.8	14.5	4.61	1,700	37	300	500/D
	6	7/1.04	0.7	1.8	16.0	3.08	1,450	48	400	500/D
	10	6	0.7	1.8	17.5	1.83	1,250	64	550	500/D
	16	6	0.7	1.8	20	1.15	1,000	86	800	500/D
	25	6	0.9	1.8	24	0.727	1,050	115	1,200	500/D
	35	6	0.9	1.8	27	0.524	900	140	1,600	500/D
	50	6	1.0	1.9	30	0.387	850	170	2,200	500/D
	70	12	1.1	2.0	35	0.268	800	215	3,000	500/D
	95	15	1.1	2.1	39	0.193	650	260	4,100	500/D
	120	18	1.2	2.3	44	0.153	650	305	5,000	500/D
	150	18	1.4	2.4	49	0.124	700	350	6,500	500/D
	185	30	1.6	2.6	54	0.0991	700	405	8,000	300/D
	240	34	1.7	2.8	61	0.0754	650	490	10,500	300/D
	300	34	1.8	3.0	68	0.0601	600	565	13,000	200/D
	400	53	2.0	3.3	76	0.0470	600	655	16,500	200/D

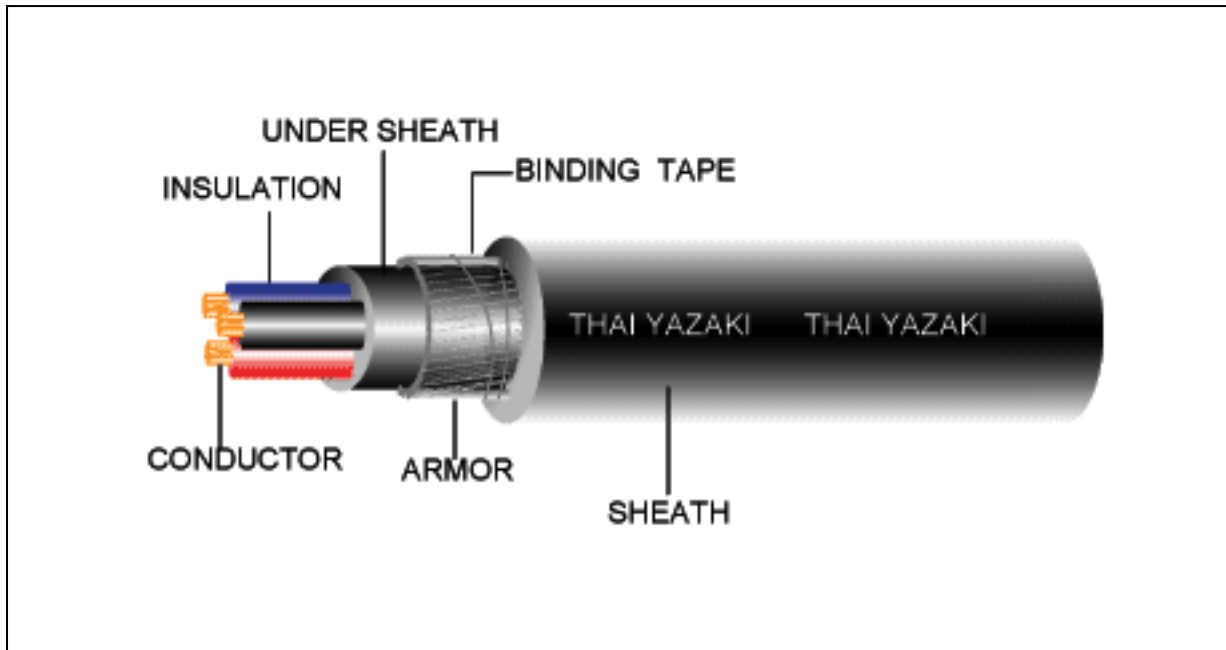
D : PACKING IN DRUM

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# NYY-SWA

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



## CABLE STRUCTURE

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

# 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)
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	

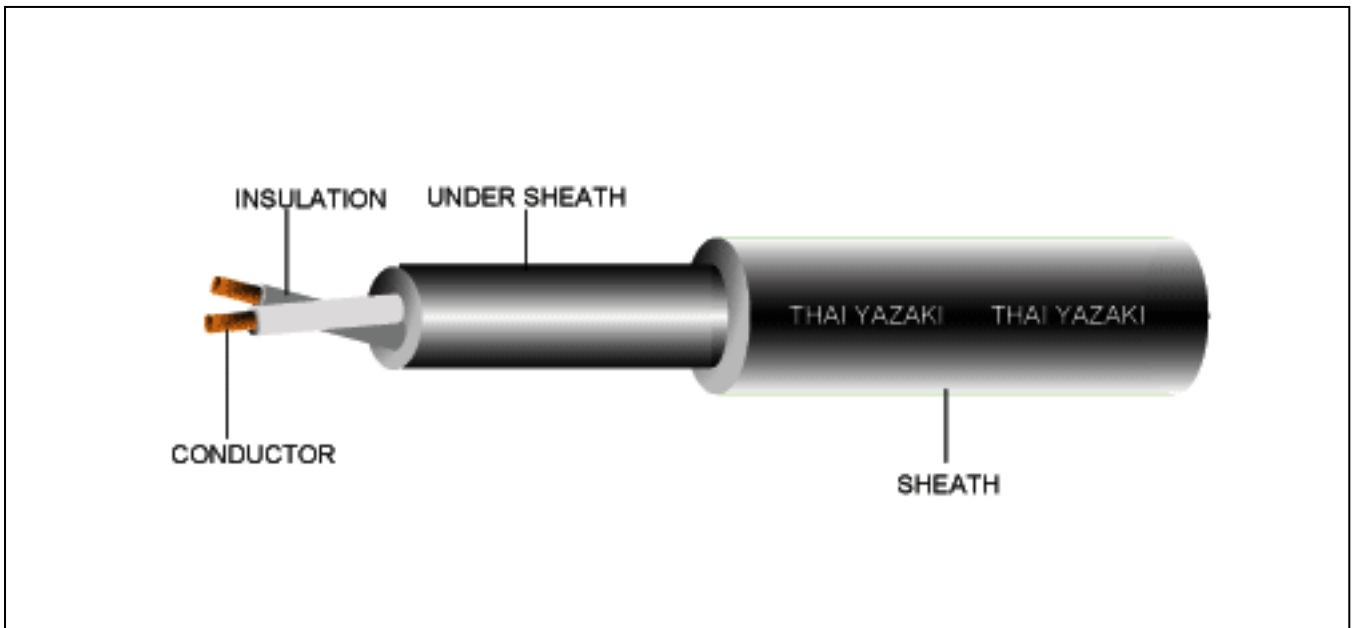
TISI PERMITTED TO INCREASE THE MAXIMUM OVERALL DIAMETER BY 5%  
D : Packing in drum.

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# NYY-N, MEA TYPE C-N

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750 V 70 °C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE WITH NEUTRAL



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: 3 phase core with 1 neutral core : Stranded annealed copper, Sizes : Phase conductor size. 6 mm <sup>2</sup> up to 300 mm <sup>2</sup> Neutral conductor size. 4 mm <sup>2</sup> up to 150 mm <sup>2</sup>
<b>INSULATION</b>	: PVC Color: 3 cores Black, Red Blue 1 Neutral core – Light gray
<b>SHEATH AND UNDER SHEATH CLASSIFICATION</b>	: PVC Color: Black
<b>TESTING VOLTAGE</b>	: Maximum conductor temperature 70 °C Circuit voltage not exceeding 750 volts
<b>REFERENCE</b>	: 2,500 volts : TIS 11- 2531, Table 8

# NYY-N, MEA TYPE C-N

**TIS 11-2531  
TABLE 8**

Nominal cross sectional area (mm. <sup>2</sup> )		Number and diameter of wire (No. / mm.)		Insulation thickness (mm.)		Under sheath thickness (mm)	Sheath thickness (mm)	Max. overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)		Cable weight (approx.) (Kg/Km)	Standard length (m)
Phase	Neutral	Phase	Neutral	Phase	Neutral					Free air	Under ground		
3X6	1X4	7/1.04	7/0.85	0.9	0.9	0.8	1.8	19.0	0.0073	37	51	500	500/D
3X10	1X6	7/1.35	7/1.04	1.1	0.9	0.8	2.0	23.0	0.0069	51	68	750	500/D
3X16	1X10	7/1.70	7/1.35	1.1	1.1	1.2	2.0	26.5	0.0057	68	88	1,100	500/D
3X25	1X16	7/2.14	7/1.70	1.3	1.1	1.2	2.0	31.0	0.0054	90	114	1,600	500/D
3X35	1X16	19/1.53	7/1.70	1.3	1.1	1.5	2.2	35.0	0.0047	109	137	2,000	500/D
3X50	1X25	19/1.78	7/2.14	1.5	1.3	1.5	2.2	39.5	0.0046	133	163	2,600	500/D
3X70	1X35	19/2.14	19/1.53	1.5	1.3	1.5	2.4	44.5	0.0039	166	201	3,500	500/D
3X95	1X50	19/2.52	19/1.78	1.7	1.5	1.8	2.6	51.5	0.0038	205	240	4,800	500/D
3X120	1X70	37/2.03	19/2.14	1.7	1.5	1.8	2.8	56.0	0.0034	240	275	6,000	500/D
3X150	1X70	37/2.25	19/2.14	1.9	1.5	2.0	3.0	62.0	0.0034	272	306	7,000	300/D
3X185	1X95	37/2.52	19/2.52	2.1	1.7	2.0	3.2	68.0	0.0034	316	347	9,000	300/D
3X240	1X120	61/2.25	37/2.03	2.3	1.7	2.2	3.4	76.5	0.0033	375	402	11,500	200/D
3X300	1X150	61/2.52	37/2.25	2.5	1.9	2.2	3.8	84.5	0.0032	430	453	14,000	200/D

TISI PERMITTED TO INCREASE THE MAXIMUM OVERALL DIAMETER BY 5 %

\* REMARK : SPECIAL PROTECTION CAN BE PRODUCED

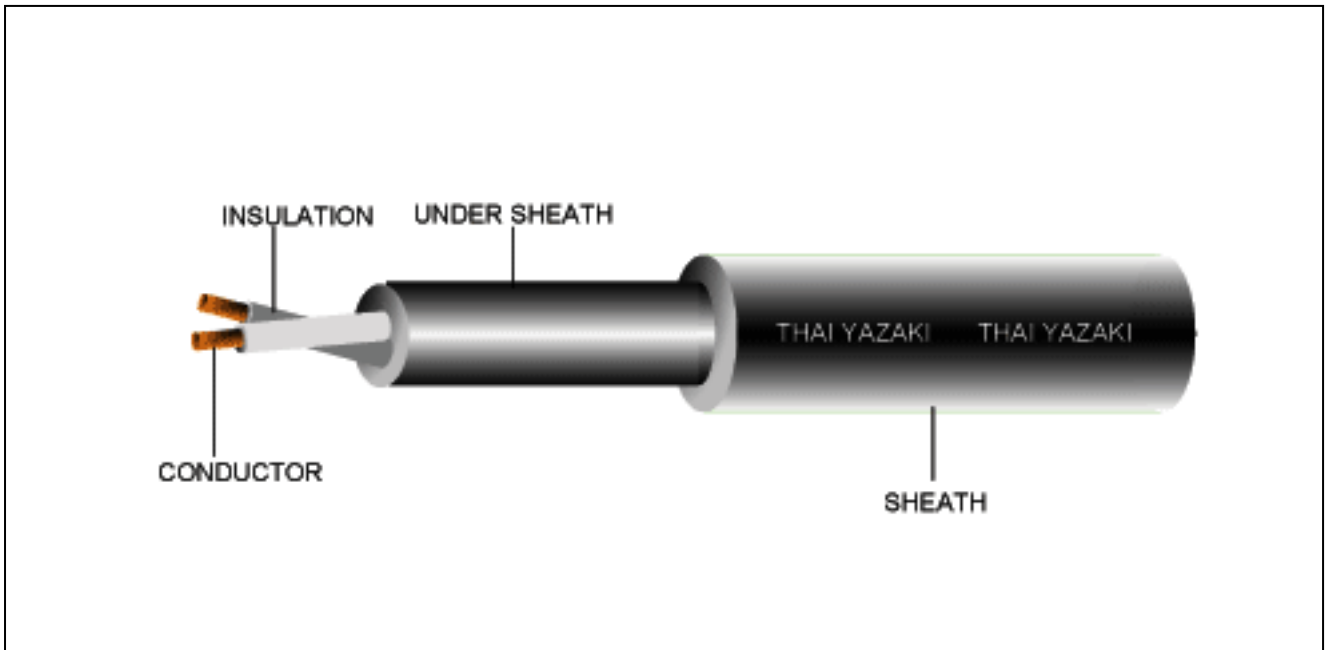
D: Packing in drum.

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# NYY, MEA TYPE C

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750 V 70 °C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: Up to 4 cores : Solid and stranded annealed copper, sizes 1 mm <sup>2</sup> up to 500 mm <sup>2</sup>
<b>INSULATION</b>	: Multi core 1 mm <sup>2</sup> up 300 mm <sup>2</sup> : PVC Color: Single core – Black 2 cores – Light gray and Black 3 cores – Light gray, Black and Red 4 cores – Light gray, Black, Red and Blue
<b>SHEATH</b>	: PVC Color: Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 70 °C Circuit voltage not exceeding 750 volts
<b>TESTING VOLTAGE REFERENCE</b>	: 2,500 volts : TIS 11 Table 6 (Single core) : TIS 11 -2531, Table 7 (Multi core)

# NYY, MEA TYPE C (SINGLE CORE)

TIS 11-2531  
TABLE 6

Nominal Cross Sectional area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Sheath thickness (mm)	Max. Overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)		Cable weight (approx.) (Kg/Km)	Standard length (m)
						Free air	Under air		
1	1 / 1.13	1.5	1.8	8.6	0.0207	17	22	80	100/C
1	7 / 0.43	1.5	1.8	8.8	0.0200	17	22	80	100/C
1.5	1 / 1.38	1.5	1.8	9.0	0.0184	21	27	85	100/C
1.5	7 / 0.53	1.5	1.8	9.2	0.0175	21	27	90	100/C
2.5	1 / 1.78	1.5	1.8	9.4	0.0157	28	36	100	100/C
2.5	7 / 0.67	1.5	1.8	9.8	0.0146	28	36	110	100/C
4	1 / 2.25	1.5	1.8	10.0	0.0135	38	47	120	100/C
4	7 / 0.85	1.5	1.8	10.5	0.0124	38	47	130	100/C
6	7 / 1.04	1.5	1.8	11.0	0.0107	49	60	160	100/C
10	7 / 1.35	1.5	1.8	12.0	0.0088	67	81	210	500/D
16	7 / 1.70	1.5	1.8	13.0	0.0074	89	105	280	500/D
25	7 / 2.14	1.5	1.8	14.5	0.0061	118	136	390	500/D
35	19 / 1.53	1.5	1.8	16.0	0.0053	146	165	490	500/D
50	19 / 1.78	1.5	1.8	17.0	0.0046	177	196	600	500/D
70	19 / 2.14	1.5	1.8	19.0	0.0039	222	241	850	500/D
95	19 / 2.52	1.7	1.8	21.5	0.0038	274	289	1,100	500/D
120	37 / 2.03	1.7	1.8	23.0	0.0034	318	330	1,400	500/D
150	37 / 2.25	1.9	2.0	26.0	0.0034	362	370	1,700	500/D
185	37 / 2.52	2.1	2.0	28.0	0.0034	416	419	2,100	500/D
240	61 / 2.25	2.3	2.2	31.5	0.0033	492	486	2,700	500/D
300	61 / 2.52	2.5	2.2	35.0	0.0032	565	551	3,400	500/D
400	61 / 2.85	2.7	2.2	38.5	0.0030	655	629	4,300	500/D
500	61 / 3.20	3.1	2.4	43.0	0.0031	757	717	5,400	500/D

TISI Permitted to increase the maximum overall diameter by 5 %

C: Packing in coil.

D: Packing in drum.

# NYY, MEA TYPE C

**TIS 11-2531  
TABLE 7**

Number of core	Nominal Cross Section area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Under sheath thickness (mm)	Sheath thickness (mm)	Max. overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)		Cable weight (approx.) (Kg/Km)	Standard length (m)
								Free air	Under ground		
2	1	1 / 1.13	0.8	0.8	1.8	12.0	0.0141	15	21	160	100/C
	1	7 / 0.43	0.8	0.8	1.8	12.5	0.0135	15	21	160	100/C
	1.5	1 / 1.38	0.8	0.8	1.8	12.5	0.0123	19	27	170	100/C
	1.5	7 / 0.53	0.8	0.8	1.8	13.0	0.0116	19	27	190	100/C
	2.5	1 / 1.78	0.8	0.8	1.8	13.5	0.0102	25	35	210	100/C
	2.5	7 / 0.67	0.8	0.8	1.8	14.0	0.0093	25	35	230	100/C
	4	1 / 2.25	0.9	0.8	1.8	15.0	0.0094	33	47	270	100/C
	4	7 / 0.85	0.9	0.8	1.8	15.5	0.0085	33	47	290	100/C
	6	7 / 1.04	0.9	0.8	1.8	17.0	0.0073	43	60	360	100/C
	10	7 / 1.35	1.1	0.8	1.8	19.5	0.0069	60	81	550	500/D
	16	7 / 1.70	1.1	0.8	2.0	22.5	0.0057	80	105	700	500/D
	25	7 / 2.14	1.3	1.2	2.0	27.0	0.0054	106	136	1,100	500/D
	35	19 / 1.53	1.3	1.2	2.0	29.5	0.0047	130	165	1,400	500/D
	50	19 / 1.78	1.5	1.2	2.2	33.5	0.0046	157	196	1,800	500/D
	70	19 / 2.14	1.5	1.5	2.2	38.0	0.0039	195	240	2,400	500/D
	95	19 / 2.52	1.7	1.5	2.2	42.5	0.0038	239	290	3,200	500/D
	120	37 / 2.03	1.7	1.5	2.4	46.5	0.0034	280	332	3,900	500/D
	150	37 / 2.25	1.9	1.8	2.6	52.0	0.0034	320	370	4,800	500/D
185	37 / 2.52	2.1	1.8	2.8	57.0	0.0034	370	419	6,000	500/D	
240	61 / 2.25	2.3	2.0	3.0	64.0	0.0033	440	484	7,500	500/D	
300	61 / 2.52	2.5	2.0	3.2	70.5	0.0032	507	547	9,500	500/D	
3	1	1 / 1.13	0.8	0.8	1.8	12.5	0.0141	12	18	180	100/C
	1	7 / 0.43	0.8	0.8	1.8	13.0	0.0135	12	18	180	100/C
	1.5	1 / 1.38	0.8	0.8	1.8	13.0	0.0123	16	22	200	100/C
	1.5	7 / 0.53	0.8	0.8	1.8	13.5	0.0116	16	22	210	100/C
	2.5	1 / 1.78	0.8	0.8	1.8	14.0	0.0102	21	30	240	100/C
	2.5	7 / 0.67	0.8	0.8	1.8	15.0	0.0093	21	30	260	100/C
	4	1 / 2.25	0.9	0.8	1.8	15.5	0.0094	28	39	320	100/C
	4	7 / 0.85	0.9	0.8	1.8	16.5	0.0085	28	39	350	100/C
	6	7 / 1.04	0.9	0.8	1.8	18.0	0.0073	37	50	440	100/C
	10	7 / 1.35	1.1	0.8	1.8	20.5	0.0069	50	68	650	500/D
	16	7 / 1.70	1.1	1.2	2.0	24.5	0.0057	67	87	950	500/D
	25	7 / 2.14	1.3	1.2	2.0	28.5	0.0054	89	113	1,400	500/D
	35	19 / 1.53	1.3	1.2	2.0	31.5	0.0047	109	137	1,700	500/D
	50	19 / 1.78	1.5	1.5	2.2	36.0	0.0046	131	162	2,300	500/D
	70	19 / 2.14	1.5	1.5	2.2	40.5	0.0039	163	200	3,100	500/D
	95	19 / 2.52	1.7	1.5	2.4	46.0	0.0038	202	240	4,200	500/D
	120	37 / 2.03	1.7	1.8	2.6	50.5	0.0034	235	273	5,000	500/D
	150	37 / 2.25	1.9	1.8	2.8	56.0	0.0034	269	306	6,500	500/D
185	37 / 2.52	2.1	2.0	3.0	61.5	0.0034	311	346	8,000	500/D	
240	61 / 2.25	2.3	2.0	3.2	69.0	0.0033	371	402	10,000	500/D	
300	61 / 2.52	2.5	2.2	3.4	76.0	0.0032	427	453	12,500	500/D	



# NYY, MEA TYPE C

**TIS 11-2531**  
**TABLE 7**

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)	Sheath thickness (mm)	Max. overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)		Cable weight (approx.) (Kg/Km)	Standard length (m)
								Free air	Under ground		
4	1	1 / 1.13	0.8	0.8	1.8	13.5	0.0141	11	16	200	100/C
	1	7 / 0.43	0.8	0.8	1.8	14.0	0.0135	11	16	210	100/C
	1.5	1 / 1.38	0.8	0.8	1.8	14.0	0.0123	14	20	230	100/C
	1.5	7 / 0.53	0.8	0.8	1.8	14.5	0.0116	14	20	240	100/C
	2.5	1 / 1.78	0.8	0.8	1.8	15.0	0.0102	19	27	290	100/C
	2.5	7 / 0.67	0.8	0.8	1.8	16.0	0.0093	19	27	310	100/C
	4	1 / 2.25	0.9	0.8	1.8	17.0	0.0094	25	35	390	100/C
	4	7 / 0.85	0.9	0.8	1.8	17.5	0.0085	25	35	410	100/C
	6	7 / 1.04	0.9	0.8	1.8	19.0	0.0073	33	45	550	500/D
	10	7 / 1.35	1.1	0.8	2.0	23.0	0.0069	45	60	800	500/D
	16	7 / 1.70	1.1	1.2	2.0	26.5	0.0057	60	77	1,100	500/D
	25	7 / 2.14	1.3	1.2	2.0	31.0	0.0054	79	100	1,700	500/D
	35	19 / 1.53	1.3	1.5	2.2	35.0	0.0047	97	120	2,200	500/D
	50	19 / 1.78	1.5	1.5	2.2	39.5	0.0046	117	144	2,900	500/D
	70	19 / 2.14	1.5	1.5	2.4	44.5	0.0039	147	176	4,000	500/D
	95	19 / 2.52	1.7	1.8	2.6	57.5	0.0038	182	211	5,500	500/D
	120	37 / 2.03	1.7	1.8	2.8	56.0	0.0034	213	241	6,500	500/D
	150	37 / 2.25	1.9	2.0	3.0	62.0	0.0034	243	270	8,000	500/D
185	37 / 2.52	2.1	2.0	3.2	68.0	0.0034	282	306	10,000	500/D	
240	61 / 2.25	2.3	2.2	3.4	76.5	0.0033	335	354	13,000	500/D	
300	61 / 2.52	2.5	2.2	3.8	85.0	0.0032	385	399	16,000	500/D	

TISI Permitted to increase the maximum overall diameter by 5 %

\* REMARK : Special protection can be produced,

C: Packing in coil.

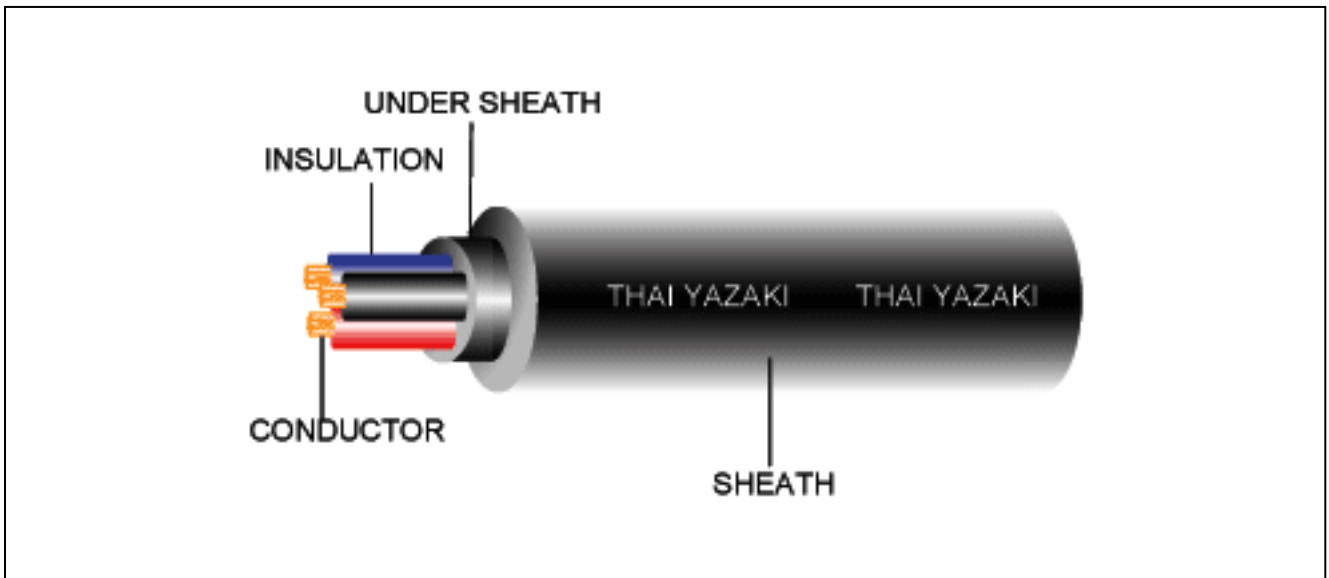
D: Packing in drum.

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# NYY-GRD, MEA TYPE C-GRD

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



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: 2 Up to 4 cores with safety ground : Solid and stranded annealed copper, sizes 1 mm <sup>2</sup> up to 300 mm <sup>2</sup>
<b>INSULATION</b>	: Ground conductor size 1 mm <sup>2</sup> up 35 mm <sup>2</sup> : PVC Color: 2 cores – Light gray and Black 3 cores – Light gray, Black and Red 4 cores – Light gray, Black, Red and Blue Ground core- Green/Yellow
<b>SHEATH</b>	: PVC
<b>UNDER SHEATH</b>	Color: Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 70 °C Circuit voltage not exceeding 750 volts
<b>TESTING VOLTAGE</b>	: 2,500 volts
<b>REFERENCE</b>	: TIS 11-2531, Table 14

# NYY-GRD, MEA TYPE C-GRD

TIS 11-2531  
TABLE 14

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 (m <sup>2</sup> )	Ground insulation thickness (mm)	Under sheath thickness (mm)	Sheath thickness (mm)	Max. overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)		Cable weight (approx.) (Kg/Km)	Standard length (m)
										Free air	Under ground		
2	1	1 / 1.13	0.8	1	0.6	0.8	1.8	12.5	0.0141	15	21	170	500/D
	1	7 / 0.43	0.8	1	0.6	0.8	1.8	13.0	0.0135	15	21	170	500/D
	1.5	1 / 1.38	0.8	1	0.6	0.8	1.8	13.0	0.0123	19	27	180	500/D
	1.5	7 / 0.53	0.8	1	0.6	0.8	1.8	13.5	0.0116	19	27	190	500/D
	2.5	1 / 1.78	0.8	1.5	0.6	0.8	1.8	14.0	0.0102	25	35	220	500/D
	2.5	7 / 0.67	0.8	1.5	0.6	0.8	1.8	15.0	0.0093	25	35	240	500/D
	4	1 / 2.25	0.9	2.5	0.6	0.8	1.8	15.5	0.0094	33	47	290	500/D
	4	7 / 0.85	0.9	2.5	0.6	0.8	1.8	16.5	0.0085	33	47	310	500/D
	6	7 / 1.04	0.9	4	0.6	0.8	1.8	18.0	0.0073	43	60	390	500/D
	10	7 / 1.35	1.1	4	0.6	0.8	1.8	19.5	0.0069	60	81	550	500/D
	16	7 / 1.70	1.1	6	0.6	0.8	2.0	22.5	0.0057	80	105	800	500/D
	25	7 / 2.14	1.3	6	0.6	1.2	2.0	27.0	0.0054	106	136	1,200	500/D
	35	19 / 1.53	1.3	10	0.6	1.2	2.0	29.0	0.0047	130	165	1,500	500/D
	50	19 / 1.78	1.5	10	0.6	1.2	2.2	33.5	0.0046	157	196	1,900	500/D
	70	19 / 2.14	1.5	10	0.6	1.5	2.2	38.0	0.0039	195	240	2,500	500/D
	95	19 / 2.52	1.7	16	0.6	1.5	2.2	42.5	0.0038	239	290	3,400	500/D
	120	37 / 2.03	1.7	16	0.6	1.5	2.4	46.5	0.0034	280	332	4,100	500/D
	150	37 / 2.25	1.9	25	0.6	1.8	2.6	52.0	0.0034	320	370	5,000	500/D
	185	37 / 2.52	2.1	25	0.6	1.8	2.8	57.0	0.0034	370	419	6,000	500/D
240	61 / 2.25	2.3	35	0.6	2.0	3.0	64.0	0.0033	440	484	8,000	300/D	
300	61 / 2.52	2.5	35	0.6	2.0	3.2	70.5	0.0032	507	547	10,000	300/D	
3	1	1 / 1.13	0.8	1	0.6	0.8	1.8	13.5	0.0141	12	18	190	500/D
	1	7 / 0.43	0.8	1	0.6	0.8	1.8	14.0	0.0135	12	18	200	500/D
	1.5	1 / 1.38	0.8	1	0.6	0.8	1.8	14.0	0.0123	16	22	210	500/D
	1.5	7 / 0.53	0.8	1	0.6	0.8	1.8	14.5	0.0116	16	22	230	500/D
	2.5	1 / 0.78	0.8	1.5	0.6	0.8	1.8	15.0	0.0102	21	30	270	500/D
	2.5	7 / 0.67	0.8	1.5	0.6	0.8	1.8	16.0	0.0093	21	30	290	500/D
	4	1 / 2.25	0.9	2.5	0.6	0.8	1.8	17.0	0.0094	28	39	360	500/D
	4	7 / 0.85	0.9	2.5	0.6	0.8	1.8	17.5	0.0085	28	39	380	500/D
	6	7 / 1.04	0.9	4	0.6	0.8	1.8	19.0	0.0073	37	50	490	500/D
	10	7 / 1.35	1.1	4	0.6	0.8	1.8	22.5	0.0069	50	68	700	500/D
	16	7 / 1.70	1.1	6	0.6	1.2	2.0	26.5	0.0057	67	87	1,000	500/D
	25	7 / 2.14	1.3	6	0.6	1.2	2.0	31.0	0.0054	89	113	1,400	500/D
	35	19 / 1.53	1.3	10	0.6	1.2	2.0	34.0	0.0047	109	137	1,800	500/D
	50	19 / 1.78	1.5	10	0.6	1.5	2.2	36.0	0.0046	131	162	2,400	500/D
	70	19 / 2.14	1.5	10	0.6	1.5	2.2	40.5	0.0039	163	200	3,200	500/D
	95	19 / 2.52	1.7	16	0.6	1.5	2.4	46.0	0.0038	202	240	4,300	500/D
	120	37 / 2.03	1.7	16	0.6	1.8	2.6	50.5	0.0034	235	273	5,500	500/D
	150	37 / 2.25	1.9	25	0.6	1.8	2.8	56.5	0.0034	269	306	6,500	500/D
	185	37 / 2.52	2.1	25	0.6	2.0	3.0	61.5	0.0034	311	346	8,000	300/D
240	61 / 2.25	2.3	35	0.6	2.0	3.2	69.0	0.0033	371	402	10,500	300/D	
300	61 / 2.52	2.5	35	0.6	2.2	3.4	76.0	0.0032	427	453	13,000	200/D	

# NYY-GRD, MEA TYPE C-GRD

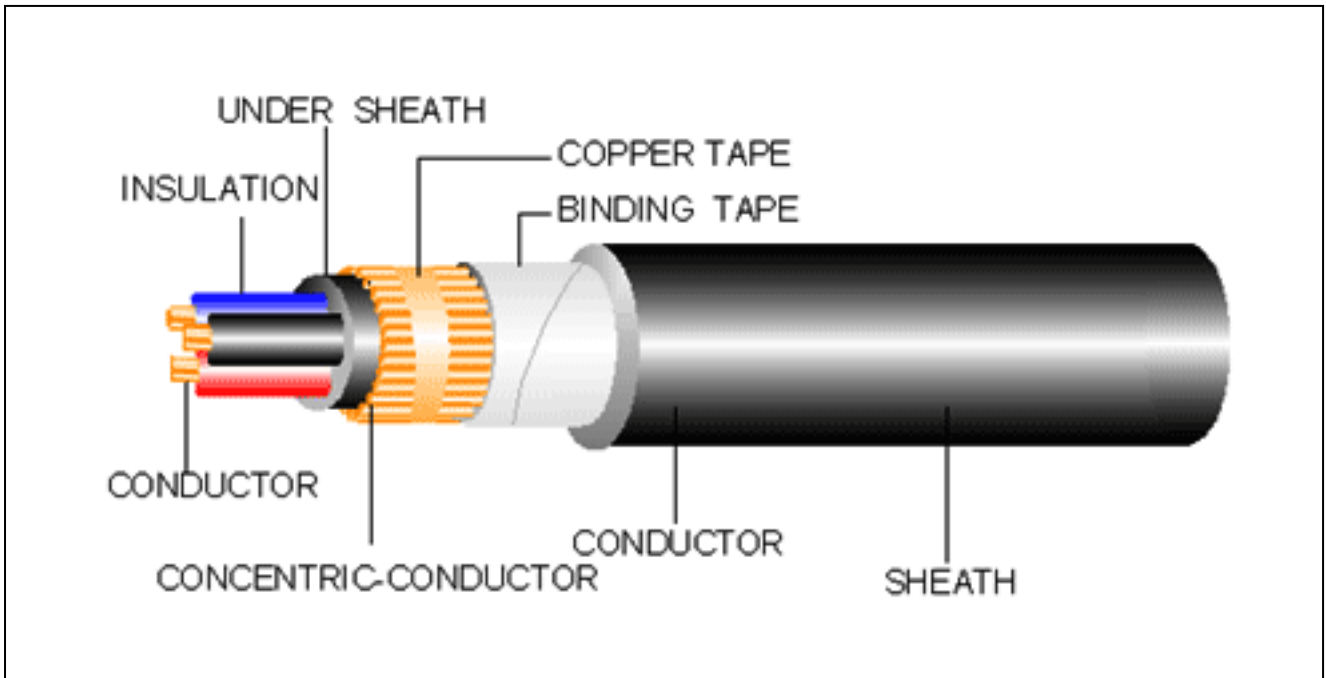
**TIS 11-2531  
TABLE 14**

Number of core	Nominal cross section area (mm <sup>2</sup> )	Number and diameter of wire (No./mm)	Insulation thickness (mm)	Nominal cross sectional area of ground conductor (m <sup>2</sup> )	Ground insulation thickness (mm)	Under sheath thickness (mm)	Sheath thickness (mm)	Max. overall diameter (mm)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum continuous current rating in free air (Ampere)		Cable weight (approx.) (Kg/Km)	Standard length (m)
										Free air	Under ground		
4	1	1 / 1.13	0.8	1	0.6	0.8	1.8	14.0	0.0141	11	16	230	500/D
	1	7 / 0.43	0.8	1	0.6	0.8	1.8	14.5	0.0135	11	16	240	500/D
	1.5	1 / 1.38	0.8	1	0.6	0.8	1.8	15.0	0.0123	14	20	260	500/D
	1.5	7 / 0.53	0.8	1	0.6	0.8	1.8	15.5	0.0116	14	20	280	500/D
	2.5	1 / 1.78	0.8	1.5	0.6	0.8	1.8	16.0	0.0102	19	27	320	500/D
	2.5	7 / 0.67	0.8	1.5	0.6	0.8	1.8	17.0	0.0093	19	27	350	500/D
	4	1 / 2.25	0.9	2.5	0.6	0.8	1.8	18.0	0.0094	25	35	440	500/D
	4	7 / 0.85	0.9	2.5	0.6	0.8	1.8	19.0	0.0085	25	35	470	500/D
	6	7 / 1.04	0.9	4	0.6	0.8	1.8	20.5	0.0073	33	45	600	500/D
	10	7 / 1.35	1.1	4	0.6	0.8	2.0	25.0	0.0069	45	60	850	500/D
	16	7 / 1.70	1.1	6	0.6	1.2	2.0	28.5	0.0057	60	77	1,200	500/D
	25	7 / 2.14	1.3	6	0.6	1.2	2.0	33.5	0.0054	79	100	1,800	500/D
	35	19 / 1.53	1.3	10	0.6	1.5	2.2	38.5	0.0047	97	120	2,400	500/D
	50	19 / 1.78	1.5	10	0.6	1.5	2.2	43.0	0.0046	117	144	3,000	500/D
	70	19 / 2.14	1.5	10	0.6	1.5	2.4	44.5	0.0039	147	176	4,100	500/D
	95	19 / 2.52	1.7	16	0.6	1.8	2.6	51.5	0.0038	182	211	5,500	500/D
	120	37 / 2.03	1.7	16	0.6	1.8	2.8	56.0	0.0034	213	241	7,000	500/D
	150	37 / 2.25	1.9	25	0.6	2.0	3.0	62.0	0.0034	243	270	8,500	300/D
185	37 / 2.52	2.1	25	0.6	2.0	3.2	68.0	0.0034	282	306	10,500	300/D	
240	61 / 2.25	2.3	35	0.6	2.2	3.4	76.5	0.0033	335	354	13,500	200/D	
300	61 / 2.52	2.5	35	0.6	2.2	3.8	84.5	0.0032	385	399	16,500	200/D	

TISI PERMITTED TO INCREASE THE MAXIMUM OVERALL DIAMETER BY 5%

\*REMARK : SPECIAL PROTECTION CAN BE PRODUCED

D : Packing in drum

**750 V 70 °C PVC INSULATED AND DOUBLE SHEATHED POWER CABLE, WITH CONCENTRIC CONDUCTORS****CABLE STRUCTURE**

<b>NUMBER OF CORE</b>	: 3 cores
<b>PHASE CONDUCTOR</b>	: Concentric stranded annealed copper wires, sizes 16 mm <sup>2</sup> up to 300 mm <sup>2</sup>
<b>CONCENTRIC CONDUCTORS</b>	: Annealed copper wires Size. 16 mm <sup>2</sup> up to 150 mm <sup>2</sup>
<b>INSULATION</b>	: PVC Color: Light gray, Black and Blue
<b>SHEATH AND UNDER SHEATH</b>	: PVC Color: Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 70 °C Circuit voltage not exceeding 750 volts
<b>TESTING VOLTAGE</b>	: 2,500 volts
<b>REFERENCE</b>	: TIS 11- 2531

# NYCY

## THAI YAZAKI Standard

Nominal Cross Sectional area (mm. <sup>2</sup> )		Number and diameter of wire (No. / mm.)		Insulation thickness (mm)	Under sheath thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum conductor current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
Phase	Concentric	Phase	Concentric									
3X25	16	7/2.14	19/1.04	1.3	1.2	2.0	30	0.727	0.0054	88	1,600	500/D
3X35	16	19/1.53	19/1.04	1.3	1.2	2.0	33	0.524	0.0047	107	1,900	500/D
3X50	25	19/1.78	25/1.13	1.5	1.5	2.2	38	0.387	0.0046	130	2,600	500/D
3X70	35	19/2.14	23/1.38	1.5	1.5	2.2	43	0.268	0.0039	162	3,500	500/D
3X95	50	19/2.52	27/1.53	1.7	1.5	2.4	48	0.193	0.0038	201	4,700	500/D
3X120	70	37/2.03	31/1.70	1.7	1.8	2.6	53	0.153	0.0034	233	6,000	500/D
3X150	70	37/2.25	31/1.70	1.9	1.8	2.8	58	0.124	0.0034	266	7,000	300/D
3X185	95	37/2.52	36/1.83	2.1	2.0	3.0	64	0.0991	0.0034	306	9,000	300/D
3X240	120	61/2.25	37/2.03	2.3	2.0	3.2	72	0.0601	0.0033	364	11,500	200/D
3X300	150	61/2.52	41/2.14	2.5	2.2	3.4	79	0.0601	0.0032	417	14,000	200/D

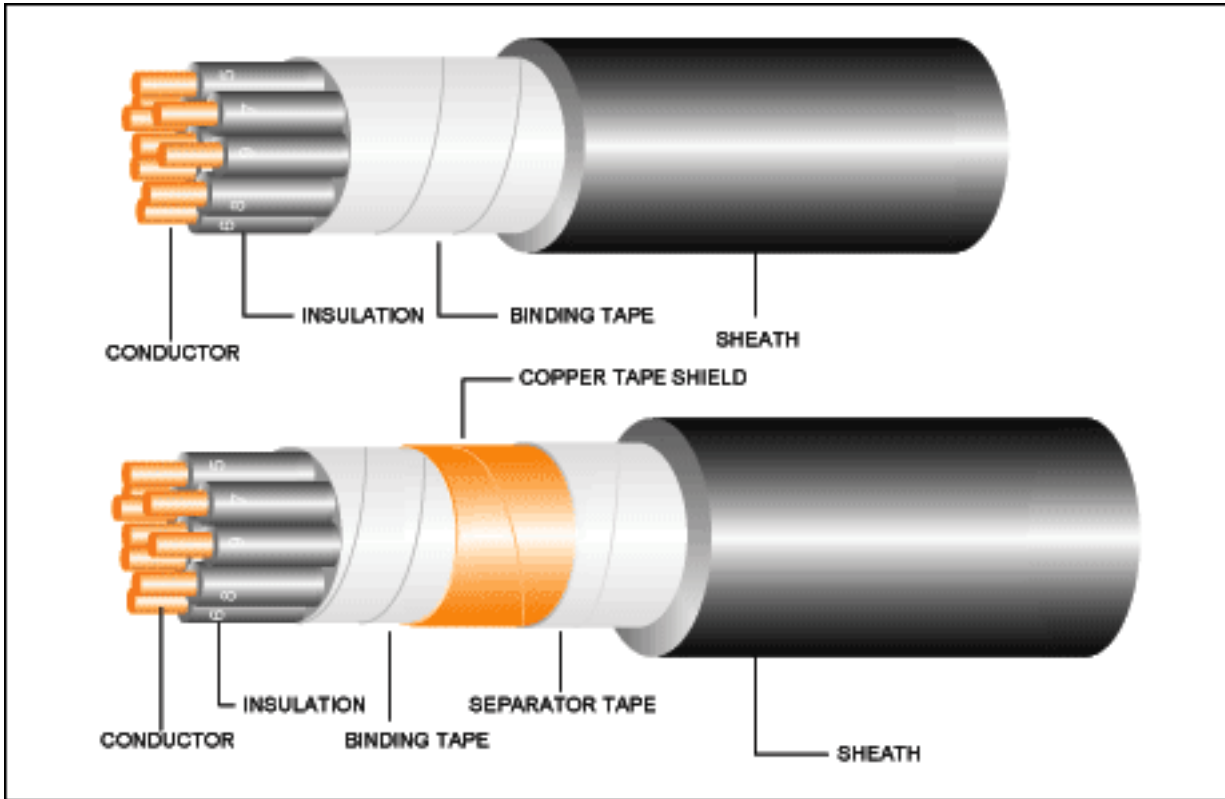
D : Packing in drum.

Nominal Cross Sectional area (mm. <sup>2</sup> )		Number and diameter of wire (No. / mm.)		Insulation thickness (mm)	Under sheath thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (MΩ-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Maximum conductor current rating in free air (Ampere)	Cable weight (approx.) (Kg/Km)	Standard length (m)
Phase	Concentric	Phase	Concentric									
3X16	16	7/1.70	19/1.04	1.1	1.2	2.0	26	1.15	0.0057	66	1,100	500/D
3X25	25	7/2.14	25/1.13	1.3	1.2	2.0	30	0.727	0.0054	88	1,600	500/D
3X35	25	19/1.53	25/1.13	1.3	1.2	2.0	33	0.524	0.0047	107	2,000	500/D
3X50	35	19/1.78	23/1.38	1.5	1.5	2.2	39	0.387	0.0046	129	2,700	500/D
3X70	50	19/2.14	27/1.53	1.5	1.5	2.2	43	0.268	0.0039	162	3,600	500/D
3X95	70	19/2.52	31/1.70	1.7	1.5	2.4	49	0.193	0.0038	200	5,000	500/D
3X120	95	37/2.03	36/1.83	1.7	1.8	2.6	54	0.153	0.0034	233	6,000	500/D
3X150	95	37/2.25	36/1.83	1.9	1.8	2.8	58	0.124	0.0034	266	7,500	300/D
3X150	120	37/2.25	37/2.03	1.9	1.8	2.8	59	0.124	0.0034	266	7,500	300/D
3X185	120	37/2.52	37/2.03	2.1	2.0	3.0	65	0.0991	0.0034	306	9,000	300/D

D : Packing in drum.

# CVV CVV-S

600 V 70° C PVC INSULATED AND SHEATHED CONTROL CABLE  
600 V 70° C PVC INSULATED AND SHEATHED CONTROL CABLE WITH SHIELD



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: 2 up to 48 cores : Flexible stranded annealed copper wires : Sizes. : 0.5 mm <sup>2</sup> up to 6 mm <sup>2</sup>
<b>INSULATION</b>	: PVC : Color : 2-4 cores-Black, White, Red and Green : More than 4 cores: Black with marking numbers, colored white, printed continuously throughout the whole length of insulated wires for the purpose of core identification
<b>SHEATH</b>	: PVC Color : Black
<b>SHIELD</b>	: Copper tape
<b>CLASSIFICATION</b>	: Maximum conductor temperature 70°C : Circuit voltage not exceeding 600 volts
<b>TESTING VOLTAGE</b>	: 2,000 Volts
<b>REFERENCE</b>	: THAI YAZAKI STANDARD

# CVV

Number Of core	Nominal Cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No/mm)	Diameter of Conductor (approx.)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard Length (m)
2	0.50	16/0.20	0.95	0.6	0.9	7.5	39.0	0.0130	49	500/D
	0.75	24/0.20	1.15	0.6	1.2	8.5	26.0	0.0114	65	500/D
	1.0	32/0.20	1.30	0.6	1.2	8.7	19.5	0.0104	75	500/D
	1.5	30/0.25	1.60	0.6	1.2	9.3	13.3	0.0089	90	500/D
	2.5	50/0.25	2.10	0.7	1.2	10.5	7.98	0.0081	130	500/D
	4.0	56/0.30	2.60	0.8	1.2	12.0	4.95	0.0076	170	500/D
	6.0	84/0.30	3.40	0.8	1.4	14.0	3.30	0.0061	250	500/D
3	0.50	16/0.20	0.95	0.6	1.2	8.5	39.0	0.0130	65	500/D
	0.75	24/0.20	1.15	0.6	1.2	8.9	26.0	0.0114	80	500/D
	1.0	32/0.20	1.30	0.6	1.2	9.1	19.5	0.0104	90	500/D
	1.5	30/0.25	1.60	0.6	1.2	9.8	13.3	0.0089	110	500/D
	2.5	50/0.25	2.10	0.7	1.2	11.0	7.98	0.0081	160	500/D
	4.0	56/0.30	2.60	0.8	1.2	13.0	4.95	0.0076	230	500/D
	6.0	84/0.30	3.40	0.8	1.4	15.0	3.30	0.0061	330	500/D
4	0.50	16/0.20	0.95	0.6	1.2	9.1	39.0	0.0130	80	500/D
	0.75	24/0.20	1.15	0.6	1.2	9.6	26.0	0.0114	95	500/D
	1.0	32/0.20	1.30	0.6	1.2	9.8	19.5	0.0104	110	500/D
	1.5	30/0.25	1.60	0.6	1.2	10.5	13.3	0.0089	140	500/D
	2.5	50/0.25	2.10	0.7	1.2	12.0	7.98	0.0081	200	500/D
	4.0	56/0.30	2.60	0.8	1.4	14.5	4.95	0.0076	300	500/D
	6.0	84/0.30	3.40	0.8	1.4	16.5	3.30	0.0061	410	500/D
5	0.50	16/0.20	0.95	0.6	1.2	9.8	39.0	0.0130	90	500/D
	0.75	24/0.20	1.15	0.6	1.2	10.0	26.0	0.0114	110	500/D
	1.0	32/0.20	1.30	0.6	1.2	10.5	19.5	0.0104	130	500/D
	1.5	30/0.25	1.60	0.6	1.2	11.5	13.3	0.0089	160	500/D
	2.5	50/0.25	2.10	0.7	1.4	13.5	7.98	0.0081	250	500/D
	4.0	56/0.30	2.60	0.8	1.4	15.5	4.95	0.0076	350	500/D
	6.0	84/0.30	3.40	0.8	1.4	18.0	3.30	0.0061	500	500/D
6	0.50	16/0.20	0.95	0.6	1.2	10.5	39.0	0.0130	110	500/D
	0.75	24/0.20	1.15	0.6	1.2	11.0	26.0	0.0114	130	500/D
	1.0	32/0.20	1.30	0.6	1.2	11.5	19.5	0.0104	150	500/D
	1.5	30/0.25	1.60	0.6	1.2	12.0	13.3	0.0089	190	500/D
	2.5	50/0.25	2.10	0.7	1.4	14.5	7.98	0.0081	290	500/D
	4.0	56/0.30	2.60	0.8	1.4	17.0	4.95	0.0076	420	500/D
	6.0	84/0.30	3.40	0.8	1.4	19.5	3.30	0.0061	600	500/D
7	0.50	16/0.20	0.95	0.6	1.2	10.5	39.0	0.0130	110	500/D
	0.75	24/0.20	1.15	0.6	1.2	11.0	26.0	0.0114	140	500/D
	1.0	32/0.20	1.30	0.6	1.2	11.5	19.5	0.0104	160	500/D
	1.5	30/0.25	1.60	0.6	1.2	12.0	13.3	0.0089	210	500/D
	2.5	50/0.25	2.10	0.7	1.4	14.5	7.98	0.0081	320	500/D
	4.0	56/0.30	2.60	0.8	1.4	17.0	4.95	0.0076	460	500/D
	6.0	84/0.30	3.40	0.8	1.4	19.5	3.30	0.0061	650	500/D
8	0.50	16/0.20	0.95	0.6	1.2	11.0	39.0	0.0130	130	500/D
	0.75	24/0.20	1.15	0.6	1.2	11.5	26.0	0.0114	160	500/D
	1.0	32/0.20	1.30	0.6	1.2	12.0	19.5	0.0104	180	500/D
	1.5	30/0.25	1.60	0.6	1.4	13.5	13.3	0.0089	240	500/D
	2.5	50/0.25	2.10	0.7	1.4	16.0	7.98	0.0081	360	500/D
	4.0	56/0.30	2.60	0.8	1.4	18.0	4.95	0.0076	550	500/D
	6.0	84/0.30	3.40	0.8	1.4	21.0	3.30	0.0061	750	500/D
9	0.50	16/0.20	0.95	0.6	1.2	12.0	39.0	0.0130	150	500/D
	0.75	24/0.20	1.15	0.6	1.2	12.5	26.0	0.0114	180	500/D
	1.0	32/0.20	1.30	0.6	1.4	13.5	19.5	0.0104	220	500/D
	1.5	30/0.25	1.60	0.6	1.4	14.5	13.3	0.0089	270	500/D
	2.5	50/0.25	2.10	0.7	1.4	17.0	7.98	0.0081	410	500/D
	4.0	56/0.30	2.60	0.8	1.4	20.0	4.95	0.0076	600	500/D
	6.0	84/0.30	3.40	0.8	1.4	23.0	3.30	0.0061	850	500/D



# CVV

Number Of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No/mm)	Diameter of Conductor (approx.)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard Length (m)
10	0.50	16/0.20	0.95	0.6	1.2	12.5	39.0	0.0130	150	500/D
	0.75	24/0.20	1.15	0.6	1.4	14.0	26.0	0.0114	210	500/D
	1.0	32/0.20	1.30	0.6	1.4	14.5	19.5	0.0104	240	500/D
	1.5	30/0.25	1.60	0.6	1.4	15.5	13.3	0.0089	310	500/D
	2.5	50/0.25	2.10	0.7	1.4	18.0	7.98	0.0081	460	500/D
	4.0	56/0.30	2.60	0.8	1.4	21.0	4.95	0.0076	650	500/D
	6.0	84/0.30	3.40	0.8	1.8	25.0	3.30	0.0061	1,000	500/D
11	0.50	16/0.20	0.95	0.6	1.2	12.5	39.0	0.0130	170	500/D
	0.75	24/0.20	1.15	0.6	1.4	14.0	26.0	0.0114	210	500/D
	1.0	32/0.20	1.30	0.6	1.4	14.5	19.5	0.0104	250	500/D
	1.5	30/0.25	1.60	0.6	1.4	15.5	13.3	0.0089	320	500/D
	2.5	50/0.25	2.10	0.7	1.4	18.0	7.98	0.0081	480	500/D
	4.0	56/0.30	2.60	0.8	1.4	21.0	4.95	0.0076	700	500/D
	6.0	84/0.30	3.40	0.8	1.8	25.0	3.30	0.0061	1,100	500/D
12	0.50	16/0.20	0.95	0.6	1.2	13.0	39.0	0.0130	180	500/D
	0.75	24/0.20	1.15	0.6	1.4	14.5	26.0	0.0114	220	500/D
	1.0	32/0.20	1.30	0.6	1.4	15.0	19.5	0.0104	280	500/D
	1.5	30/0.25	1.60	0.6	1.4	16.0	13.3	0.0089	350	500/D
	2.5	50/0.25	2.10	0.7	1.4	19.0	7.98	0.0081	550	500/D
	4.0	56/0.30	2.60	0.8	1.4	22.0	4.95	0.0076	750	500/D
	6.0	84/0.30	3.40	0.8	1.8	26.0	3.30	0.0061	1,200	500/D
13	0.50	16/0.20	0.95	0.6	1.4	14.0	39.0	0.0130	200	500/D
	0.75	24/0.20	1.15	0.6	1.4	15.0	26.0	0.0114	250	500/D
	1.0	32/0.20	1.30	0.6	1.4	15.5	19.5	0.0104	290	500/D
	1.5	30/0.25	1.60	0.6	1.4	17.0	13.3	0.0089	370	500/D
	2.5	50/0.25	2.10	0.7	1.4	20.0	7.98	0.0081	550	500/D
	4.0	56/0.30	2.60	0.8	1.4	23.0	4.95	0.0076	850	500/D
	6.0	84/0.30	3.40	0.8	1.8	28.0	3.30	0.0061	1,200	500/D
14	0.50	16/0.20	0.95	0.6	1.4	14.0	39.0	0.0130	210	500/D
	0.75	24/0.20	1.15	0.6	1.4	15.0	26.0	0.0114	250	500/D
	1.0	32/0.20	1.30	0.6	1.4	15.5	19.5	0.0104	300	500/D
	1.5	30/0.25	1.60	0.6	1.4	17.0	13.3	0.0089	390	500/D
	2.5	50/0.25	2.10	0.7	1.4	20.0	7.98	0.0081	600	500/D
	4.0	56/0.30	2.60	0.8	1.4	23.0	4.95	0.0076	850	500/D
	6.0	84/0.30	3.40	0.8	1.8	28.0	3.30	0.0061	1,300	500/D
15	0.50	16/0.20	0.95	0.6	1.4	14.5	39.0	0.0130	220	500/D
	0.75	24/0.20	1.15	0.6	1.4	15.5	26.0	0.0114	270	500/D
	1.0	32/0.20	1.30	0.6	1.4	16.0	19.5	0.0104	320	500/D
	1.5	30/0.25	1.60	0.6	1.4	17.5	13.3	0.0089	420	500/D
	2.5	50/0.25	2.10	0.7	1.4	21.0	7.98	0.0081	650	500/D
	4.0	56/0.30	2.60	0.8	1.8	25.0	4.95	0.0076	950	500/D
	6.0	84/0.30	3.40	0.8	1.8	29.0	3.30	0.0061	1,400	500/D
16	0.50	16/0.20	0.95	0.6	1.4	15.0	39.0	0.0130	230	500/D
	0.75	24/0.20	1.15	0.6	1.4	15.5	26.0	0.0114	280	500/D
	1.0	32/0.20	1.30	0.6	1.4	16.0	19.5	0.0104	340	500/D
	1.5	30/0.25	1.60	0.6	1.4	17.5	13.3	0.0089	430	500/D
	2.5	50/0.25	2.10	0.7	1.4	21.0	7.98	0.0081	650	500/D
	4.0	56/0.30	2.60	0.8	1.8	25.0	4.95	0.0076	1,000	500/D
	6.0	84/0.30	3.40	0.8	1.8	29.0	3.30	0.0061	1,400	500/D
17	0.50	16/0.20	0.95	0.6	1.4	15.5	39.0	0.0130	240	500/D
	0.75	24/0.20	1.15	0.6	1.4	16.5	26.0	0.0114	310	500/D
	1.0	32/0.20	1.30	0.6	1.4	17.0	19.5	0.0104	370	500/D
	1.5	30/0.25	1.60	0.6	1.4	18.5	13.3	0.0089	470	500/D
	2.5	50/0.25	2.10	0.7	1.4	22.0	7.98	0.0081	700	500/D
	4.0	56/0.30	2.60	0.8	1.8	27.0	4.95	0.0076	1,100	500/D
	6.0	84/0.30	3.40	0.8	1.8	31.0	3.30	0.0061	1,600	500/D



# CVV

Number Of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No/mm)	Diameter of Conductor (approx.)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard Length (m)
18	0.50	16/0.20	0.95	0.6	1.4	15.5	39.0	0.0130	250	500/D
	0.75	24/0.20	1.15	0.6	1.4	16.5	26.0	0.0114	310	500/D
	1.0	32/0.20	1.30	0.6	1.4	17.0	19.5	0.0104	370	500/D
	1.5	30/0.25	1.60	0.6	1.4	18.5	13.3	0.0089	470	500/D
	2.5	50/0.25	2.10	0.7	1.4	22.0	7.98	0.0081	700	500/D
	4.0	56/0.30	2.60	0.8	1.8	27.0	4.95	0.0076	1,100	500/D
	6.0	84/0.30	3.40	0.8	1.8	31.0	3.30	0.0061	1,600	500/D
19	0.50	16/0.20	0.95	0.6	1.4	15.5	39.0	0.0130	260	500/D
	0.75	24/0.20	1.15	0.6	1.4	16.5	26.0	0.0114	320	500/D
	1.0	32/0.20	1.30	0.6	1.4	17.0	19.5	0.0104	380	500/D
	1.5	30/0.25	1.60	0.6	1.4	18.5	13.3	0.0089	490	500/D
	2.5	50/0.25	2.10	0.7	1.4	22.0	7.98	0.0081	750	500/D
	4.0	56/0.30	2.60	0.8	1.8	27.0	4.95	0.0076	1,100	500/D
	6.0	84/0.30	3.40	0.8	1.8	31.0	3.30	0.0061	1,600	500/D
20	0.50	16/0.20	0.95	0.6	1.4	16.0	39.0	0.0130	270	500/D
	0.75	24/0.20	1.15	0.6	1.4	17.0	26.0	0.0114	330	500/D
	1.0	32/0.20	1.30	0.6	1.4	17.5	19.5	0.0104	400	500/D
	1.5	30/0.25	1.60	0.6	1.4	19.0	13.3	0.0089	500	500/D
	2.5	50/0.25	2.10	0.7	1.4	23.0	7.98	0.0081	800	500/D
	4.0	56/0.30	2.60	0.8	1.8	28.0	4.95	0.0076	1,200	500/D
	6.0	84/0.30	3.40	0.8	1.8	32.0	3.30	0.0061	1,700	500/D
21	0.50	16/0.20	0.95	0.6	1.4	16.5	39.0	0.0130	280	500/D
	0.75	24/0.20	1.15	0.6	1.4	17.5	26.0	0.0114	350	500/D
	1.0	32/0.20	1.30	0.6	1.4	18.0	19.5	0.0104	420	500/D
	1.5	30/0.25	1.60	0.6	1.4	19.5	13.3	0.0089	550	500/D
	2.5	50/0.25	2.10	0.7	1.4	23.0	7.98	0.0081	800	500/D
	4.0	56/0.30	2.60	0.8	1.8	28.0	4.95	0.0076	1,300	500/D
	6.0	84/0.30	3.40	0.8	1.8	32.0	3.30	0.0061	1,800	500/D
22	0.50	16/0.20	0.95	0.6	1.4	17.0	39.0	0.0130	300	500/D
	0.75	24/0.20	1.15	0.6	1.4	18.0	26.0	0.0114	370	500/D
	1.0	32/0.20	1.30	0.6	1.4	18.5	19.5	0.0104	450	500/D
	1.5	30/0.25	1.60	0.6	1.4	20.0	13.3	0.0089	550	500/D
	2.5	50/0.25	2.10	0.7	1.8	25.0	7.98	0.0081	900	500/D
	4.0	56/0.30	2.60	0.8	1.8	30.0	4.95	0.0076	1,300	500/D
	6.0	84/0.30	3.40	0.8	1.8	34.0	3.30	0.0061	1,900	500/D
23	0.50	16/0.20	0.95	0.6	1.4	17.0	39.0	0.0130	310	500/D
	0.75	24/0.20	1.15	0.6	1.4	18.0	26.0	0.0114	380	500/D
	1.0	32/0.20	1.30	0.6	1.4	18.5	19.5	0.0104	460	500/D
	1.5	30/0.25	1.60	0.6	1.4	20.0	13.3	0.0089	600	500/D
	2.5	50/0.25	2.10	0.7	1.8	25.0	7.98	0.0081	950	500/D
	4.0	56/0.30	2.60	0.8	1.8	30.0	4.95	0.0076	1,400	500/D
	6.0	84/0.30	3.40	0.8	1.8	34.0	3.30	0.0061	2,000	500/D
24	0.50	16/0.20	0.95	0.6	1.4	18.0	39.0	0.0130	320	500/D
	0.75	24/0.20	1.15	0.6	1.4	19.0	26.0	0.0114	400	500/D
	1.0	32/0.20	1.30	0.6	1.4	19.5	19.5	0.0104	500	500/D
	1.5	30/0.25	1.60	0.6	1.4	21.0	13.3	0.0089	600	500/D
	2.5	50/0.25	2.10	0.7	1.8	26.0	7.98	0.0081	1,000	500/D
	4.0	56/0.30	2.60	0.8	1.8	31.0	4.95	0.0076	1,400	500/D
	6.0	84/0.30	3.40	0.8	2.2	37.0	3.30	0.0061	2,100	500/D
25	0.50	16/0.20	0.95	0.6	1.4	18.0	39.0	0.0130	330	500/D
	0.75	24/0.20	1.15	0.6	1.4	19.0	26.0	0.0114	410	500/D
	1.0	32/0.20	1.30	0.6	1.4	19.5	19.5	0.0104	490	500/D
	1.5	30/0.25	1.60	0.6	1.4	21.0	13.3	0.0089	650	500/D
	2.5	50/0.25	2.10	0.7	1.8	26.0	7.98	0.0081	1,000	500/D
	4.0	56/0.30	2.60	0.8	1.8	31.0	4.95	0.0076	1,500	500/D
	6.0	84/0.30	3.40	0.8	2.2	37.0	3.30	0.0061	2,200	500/D

# CVV

Number Of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No/mm)	Diameter of Conductor (approx.)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard Length (m)
26	0.50	16/0.20	0.95	0.6	1.4	18.0	39.0	0.0130	340	500/D
	0.75	24/0.20	1.15	0.6	1.4	19.0	26.0	0.0114	420	500/D
	1.0	32/0.20	1.30	0.6	1.4	19.5	19.5	0.0104	500	500/D
	1.5	30/0.25	1.60	0.6	1.4	21.0	13.3	0.0089	650	500/D
	2.5	50/0.25	2.10	0.7	1.8	26.0	7.98	0.0081	1,000	500/D
	4.0	56/0.30	2.60	0.8	1.8	31.0	4.95	0.0076	1,500	500/D
	6.0	84/0.30	3.40	0.8	2.2	37.0	3.30	0.0061	2,300	500/D
27	0.50	16/0.20	0.95	0.6	1.4	18.5	39.0	0.0130	340	500/D
	0.75	24/0.20	1.15	0.6	1.4	19.5	26.0	0.0114	430	500/D
	1.0	32/0.20	1.30	0.6	1.4	20.0	19.5	0.0104	500	500/D
	1.5	30/0.25	1.60	0.6	1.4	22.0	13.3	0.0089	650	500/D
	2.5	50/0.25	2.10	0.7	1.8	27.0	7.98	0.0081	1,100	500/D
	4.0	56/0.30	2.60	0.8	1.8	32.0	4.95	0.0076	1,600	500/D
	6.0	84/0.30	3.40	0.8	2.2	38.0	3.30	0.0061	2,400	500/D
28	0.50	16/0.20	0.95	0.6	1.4	19.0	39.0	0.0130	370	500/D
	0.75	24/0.20	1.15	0.6	1.4	20.0	26.0	0.0114	460	500/D
	1.0	32/0.20	1.30	0.6	1.4	21.0	19.5	0.0104	550	500/D
	1.5	30/0.25	1.60	0.6	1.4	23.0	13.3	0.0089	700	500/D
	2.5	50/0.25	2.10	0.7	1.8	28.0	7.98	0.0081	1,100	500/D
	4.0	56/0.30	2.60	0.8	1.8	33.0	4.95	0.0076	1,700	500/D
	6.0	84/0.30	3.40	0.8	2.2	39.0	3.30	0.0061	2,500	500/D
29	0.50	16/0.20	0.95	0.6	1.4	19.0	39.0	0.0130	370	500/D
	0.75	24/0.20	1.15	0.6	1.4	20.0	26.0	0.0114	460	500/D
	1.0	32/0.20	1.30	0.6	1.4	21.0	19.5	0.0104	550	500/D
	1.5	30/0.25	1.60	0.6	1.4	23.0	13.3	0.0089	700	500/D
	2.5	50/0.25	2.10	0.7	1.8	28.0	7.98	0.0081	1,100	500/D
	4.0	56/0.30	2.60	0.8	1.8	33.0	4.95	0.0076	1,700	500/D
	6.0	84/0.30	3.40	0.8	2.2	39.0	3.30	0.0061	2,500	500/D
30	0.50	16/0.20	0.95	0.6	1.4	19.0	39.0	0.0130	370	500/D
	0.75	24/0.20	1.15	0.6	1.4	20.0	26.0	0.0114	470	500/D
	1.0	32/0.20	1.30	0.6	1.4	21.0	19.5	0.0104	550	500/D
	1.5	30/0.25	1.60	0.6	1.4	23.0	13.3	0.0089	750	500/D
	2.5	50/0.25	2.10	0.7	1.8	28.0	7.98	0.0081	1,200	500/D
	4.0	56/0.30	2.60	0.8	1.8	33.0	4.95	0.0076	1,700	500/D
	6.0	84/0.30	3.40	0.8	2.2	39.0	3.30	0.0061	2,600	500/D
31	0.50	16/0.20	0.95	0.6	1.4	19.5	39.0	0.0130	400	500/D
	0.75	24/0.20	1.15	0.6	1.4	21.0	26.0	0.0114	500	500/D
	1.0	32/0.20	1.30	0.6	1.4	22.0	19.5	0.0104	600	500/D
	1.5	30/0.25	1.60	0.6	1.8	24.0	13.3	0.0089	850	500/D
	2.5	50/0.25	2.10	0.7	1.8	29.0	7.98	0.0081	1,300	500/D
	4.0	56/0.30	2.60	0.8	1.8	34.0	4.95	0.0076	1,800	500/D
	6.0	84/0.30	3.40	0.8	2.2	41.0	3.30	0.0061	2,700	500/D
32	0.50	16/0.20	0.95	0.6	1.4	19.5	39.0	0.0130	400	500/D
	0.75	24/0.20	1.15	0.6	1.4	21.0	26.0	0.0114	500	500/D
	1.0	32/0.20	1.30	0.6	1.4	22.0	19.5	0.0104	600	500/D
	1.5	30/0.25	1.60	0.6	1.8	24.0	13.3	0.0089	850	500/D
	2.5	50/0.25	2.10	0.7	1.8	29.0	7.98	0.0081	1,300	500/D
	4.0	56/0.30	2.60	0.8	1.8	34.0	4.95	0.0076	1,900	500/D
	6.0	84/0.30	3.40	0.8	2.2	41.0	3.30	0.0061	2,800	500/D
33	0.50	16/0.20	0.95	0.6	1.4	19.5	39.0	0.0130	400	500/D
	0.75	24/0.20	1.15	0.6	1.4	21.0	26.0	0.0114	500	500/D
	1.0	32/0.20	1.30	0.6	1.4	22.0	19.5	0.0104	600	500/D
	1.5	30/0.25	1.60	0.6	1.8	24.0	13.3	0.0089	850	500/D
	2.5	50/0.25	2.10	0.7	1.8	29.0	7.98	0.0081	1,300	500/D
	4.0	56/0.30	2.60	0.8	1.8	34.0	4.95	0.0076	1,900	500/D
	6.0	84/0.30	3.40	0.8	2.2	41.0	3.30	0.0061	2,800	500/D

# CVV

Number Of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No/mm)	Diameter of Conductor (approx.)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard Length (m)
34	0.50	16/0.20	0.95	0.6	1.4	20.0	39.0	0.0130	430	500/D
	0.75	24/0.20	1.15	0.6	1.4	21.0	26.0	0.0114	550	500/D
	1.0	32/0.20	1.30	0.6	1.4	22.0	19.5	0.0104	650	500/D
	1.5	30/0.25	1.60	0.6	1.8	25.0	13.3	0.0089	900	500/D
	2.5	50/0.25	2.10	0.7	1.8	30.0	7.98	0.0081	1,400	500/D
	4.0	56/0.30	2.60	0.8	2.2	37.0	4.95	0.0076	2,100	500/D
	6.0	84/0.30	3.40	0.8	2.2	42.0	3.30	0.0061	3,000	500/D
35	0.50	16/0.20	0.95	0.6	1.4	20.0	39.0	0.0130	430	500/D
	0.75	24/0.20	1.15	0.6	1.4	21.0	26.0	0.0114	550	500/D
	1.0	32/0.20	1.30	0.6	1.4	22.0	19.5	0.0104	650	500/D
	1.5	30/0.25	1.60	0.6	1.8	25.0	13.3	0.0089	900	500/D
	2.5	50/0.25	2.10	0.7	1.8	30.0	7.98	0.0081	1,400	500/D
	4.0	56/0.30	2.60	0.8	2.2	37.0	4.95	0.0076	2,100	500/D
	6.0	84/0.30	3.40	0.8	2.2	42.0	3.30	0.0061	3,000	500/D
36	0.50	16/0.20	0.95	0.6	1.4	20.0	39.0	0.0130	440	500/D
	0.75	24/0.20	1.15	0.6	1.4	21.0	26.0	0.0114	550	500/D
	1.0	32/0.20	1.30	0.6	1.4	22.0	19.5	0.0104	650	500/D
	1.5	30/0.25	1.60	0.6	1.8	25.0	13.3	0.0089	900	500/D
	2.5	50/0.25	2.10	0.7	1.8	30.0	7.98	0.0081	1,400	500/D
	4.0	56/0.30	2.60	0.8	2.2	37.0	4.95	0.0076	2,100	500/D
	6.0	84/0.30	3.40	0.8	2.2	42.0	3.30	0.0061	3,100	500/D
37	0.50	16/0.20	0.95	0.6	1.4	20.0	39.0	0.0130	450	500/D
	0.75	24/0.20	1.15	0.6	1.4	21.0	26.0	0.0114	550	500/D
	1.0	32/0.20	1.30	0.6	1.4	22.0	19.5	0.0104	700	500/D
	1.5	30/0.25	1.60	0.6	1.8	25.0	13.3	0.0089	950	500/D
	2.5	50/0.25	2.10	0.7	1.8	30.0	7.98	0.0081	1,400	500/D
	4.0	56/0.30	2.60	0.8	2.2	37.0	4.95	0.0076	2,200	500/D
	6.0	84/0.30	3.40	0.8	2.2	42.0	3.30	0.0061	3,100	500/D
38	0.50	16/0.20	0.95	0.6	1.4	21.0	39.0	0.0130	460	500/D
	0.75	24/0.20	1.15	0.6	1.4	22.0	26.0	0.0114	600	500/D
	1.0	32/0.20	1.30	0.6	1.4	23.0	19.5	0.0104	700	500/D
	1.5	30/0.25	1.60	0.6	1.8	26.0	13.3	0.0089	950	500/D
	2.5	50/0.25	2.10	0.7	1.8	31.0	7.98	0.0081	1,500	500/D
	4.0	56/0.30	2.60	0.8	2.2	38.0	4.95	0.0076	2,200	500/D
	6.0	84/0.30	3.40	0.8	2.2	44.0	3.30	0.0061	3,300	500/D
39	0.50	16/0.20	0.95	0.6	1.4	21.0	39.0	0.0130	470	500/D
	0.75	24/0.20	1.15	0.6	1.4	22.0	26.0	0.0114	600	500/D
	1.0	32/0.20	1.30	0.6	1.4	23.0	19.5	0.0104	700	500/D
	1.5	30/0.25	1.60	0.6	1.8	26.0	13.3	0.0089	1000	500/D
	2.5	50/0.25	2.10	0.7	1.8	31.0	7.98	0.0081	1,500	500/D
	4.0	56/0.30	2.60	0.8	2.2	38.0	4.95	0.0076	2,300	500/D
	6.0	84/0.30	3.40	0.8	2.2	44.0	3.30	0.0061	3,300	500/D
40	0.50	16/0.20	0.95	0.6	1.4	21.0	39.0	0.0130	480	500/D
	0.75	24/0.20	1.15	0.6	1.4	22.0	26.0	0.0114	600	500/D
	1.0	32/0.20	1.30	0.6	1.4	23.0	19.5	0.0104	750	500/D
	1.5	30/0.25	1.60	0.6	1.8	26.0	13.3	0.0089	1,000	500/D
	2.5	50/0.25	2.10	0.7	1.8	31.0	7.98	0.0081	1,500	500/D
	4.0	56/0.30	2.60	0.8	2.2	38.0	4.95	0.0076	2,300	500/D
	6.0	84/0.30	3.40	0.8	2.2	44.0	3.30	0.0061	3,400	500/D
41	0.50	16/0.20	0.95	0.6	1.4	22.0	39.0	0.0130	500	500/D
	0.75	24/0.20	1.15	0.6	1.4	23.0	26.0	0.0114	650	500/D
	1.0	32/0.20	1.30	0.6	1.8	25.0	19.5	0.0104	800	500/D
	1.5	30/0.25	1.60	0.6	1.8	27.0	13.3	0.0089	1000	500/D
	2.5	50/0.25	2.10	0.7	1.8	33.0	7.98	0.0081	1,600	500/D
	4.0	56/0.30	2.60	0.8	2.2	40.0	4.95	0.0076	2,400	500/D
	6.0	84/0.30	3.40	0.8	2.2	46.0	3.30	0.0061	3,500	500/D

# CVV

Number Of core	Nominal cross sectional area (mm <sup>2</sup> )	Number and diameter of wire (No/mm)	Diameter of Conductor (approx.)	Insulation thickness (mm)	Sheath thickness (mm)	Approx. overall diameter (mm)	Maximum conductor resistance at 20 °C (Ω-Km)	Minimum insulation resistance at 70 °C (MΩ-Km)	Cable weight (approx.) (Kg/Km)	Standard Length (m)
42	0.50	16/0.20	0.95	0.6	1.4	22.0	39.0	0.0130	550	500/D
	0.75	24/0.20	1.15	0.6	1.4	23.0	26.0	0.0114	650	500/D
	1.0	32/0.20	1.30	0.6	1.8	25.0	19.5	0.0104	800	500/D
	1.5	30/0.25	1.60	0.6	1.8	27.0	13.3	0.0089	1,100	500/D
	2.5	50/0.25	2.10	0.7	1.8	33.0	7.98	0.0081	1,600	500/D
	4.0	56/0.30	2.60	0.8	2.2	40.0	4.95	0.0076	2,500	500/D
	6.0	84/0.30	3.40	0.8	2.2	46.0	3.30	0.0061	3,600	500/D
43	0.50	16/0.20	0.95	0.6	1.4	22.0	39.0	0.0130	550	500/D
	0.75	24/0.20	1.15	0.6	1.4	23.0	26.0	0.0114	650	500/D
	1.0	32/0.20	1.30	0.6	1.8	25.0	19.5	0.0104	850	500/D
	1.5	30/0.25	1.60	0.6	1.8	27.0	13.3	0.0089	1,100	500/D
	2.5	50/0.25	2.10	0.7	1.8	33.0	7.98	0.0081	1,600	500/D
	4.0	56/0.30	2.60	0.8	2.2	40.0	4.95	0.0076	2,500	500/D
	6.0	84/0.30	3.40	0.8	2.2	46.0	3.30	0.0061	3,600	500/D
44	0.50	16/0.20	0.95	0.6	1.4	22.0	39.0	0.0130	550	500/D
	0.75	24/0.20	1.15	0.6	1.4	24.0	26.0	0.0114	650	500/D
	1.0	32/0.20	1.30	0.6	1.8	26.0	19.5	0.0104	850	500/D
	1.5	30/0.25	1.60	0.6	1.8	28.0	13.3	0.0089	1,100	500/D
	2.5	50/0.25	2.10	0.7	1.8	34.0	7.98	0.0081	1,700	500/D
	4.0	56/0.30	2.60	0.8	2.2	41.0	4.95	0.0076	2,600	500/D
	6.0	84/0.30	3.40	0.8	2.6	48.0	3.30	0.0061	3,800	500/D
45	0.50	16/0.20	0.95	0.6	1.4	22.0	39.0	0.0130	550	500/D
	0.75	24/0.20	1.15	0.6	1.4	24.0	26.0	0.0114	700	500/D
	1.0	32/0.20	1.30	0.6	1.8	26.0	19.5	0.0104	850	500/D
	1.5	30/0.25	1.60	0.6	1.8	28.0	13.3	0.0089	1,100	500/D
	2.5	50/0.25	2.10	0.7	1.8	34.0	7.98	0.0081	1,700	500/D
	4.0	56/0.30	2.60	0.8	2.2	41.0	4.95	0.0076	2,600	500/D
	6.0	84/0.30	3.40	0.8	2.6	48.0	3.30	0.0061	3,900	500/D
46	0.50	16/0.20	0.95	0.6	1.4	22.0	39.0	0.0130	550	500/D
	0.75	24/0.20	1.15	0.6	1.4	24.0	26.0	0.0114	700	500/D
	1.0	32/0.20	1.30	0.6	1.8	26.0	19.5	0.0104	900	500/D
	1.5	30/0.25	1.60	0.6	1.8	28.0	13.3	0.0089	1,100	500/D
	2.5	50/0.25	2.10	0.7	1.8	34.0	7.98	0.0081	1,800	500/D
	4.0	56/0.30	2.60	0.8	2.2	41.0	4.95	0.0076	2,700	500/D
	6.0	84/0.30	3.40	0.8	2.6	48.0	3.30	0.0061	4,000	500/D
47	0.50	16/0.20	0.95	0.6	1.4	22.0	39.0	0.0130	550	500/D
	0.75	24/0.20	1.15	0.6	1.4	24.0	26.0	0.0114	700	500/D
	1.0	32/0.20	1.30	0.6	1.8	26.0	19.5	0.0104	900	500/D
	1.5	30/0.25	1.60	0.6	1.8	28.0	13.3	0.0089	1,200	500/D
	2.5	50/0.25	2.10	0.7	1.8	34.0	7.98	0.0081	1,800	500/D
	4.0	56/0.30	2.60	0.8	2.2	41.0	4.95	0.0076	2,700	500/D
	6.0	84/0.30	3.40	0.8	2.6	48.0	3.30	0.0061	4,000	500/D
48	0.50	16/0.20	0.95	0.6	1.4	23.0	39.0	0.0130	550	500/D
	0.75	24/0.20	1.15	0.6	1.8	25.0	26.0	0.0114	750	500/D
	1.0	32/0.20	1.30	0.6	1.8	26.0	19.5	0.0104	900	500/D
	1.5	30/0.25	1.60	0.6	1.8	29.0	13.3	0.0089	1,200	500/D
	2.5	50/0.25	2.10	0.7	1.8	34.0	7.98	0.0081	1,800	500/D
	4.0	56/0.30	2.60	0.8	2.2	42.0	4.95	0.0076	2,800	500/D
	6.0	84/0.30	3.40	0.8	2.6	49.0	3.30	0.0061	4,100	500/D

THIS TABLE SHOW ONLY FLEXIBLE STRANDED CONDUCTOR. IF YOU WANT TO HAVE SOLID OR CONCENTRIC CONDUCTOR TYPE, PLEASE CONTACT WITH OUR SALES DEPARTMENT FOR CVV-S: THE OVERALL DIAMETER OF CABLE AND CABLE WEIGHT SHALL BE CHANGE A LITTLE BIT MORE

D : PACKING IN DRUM.

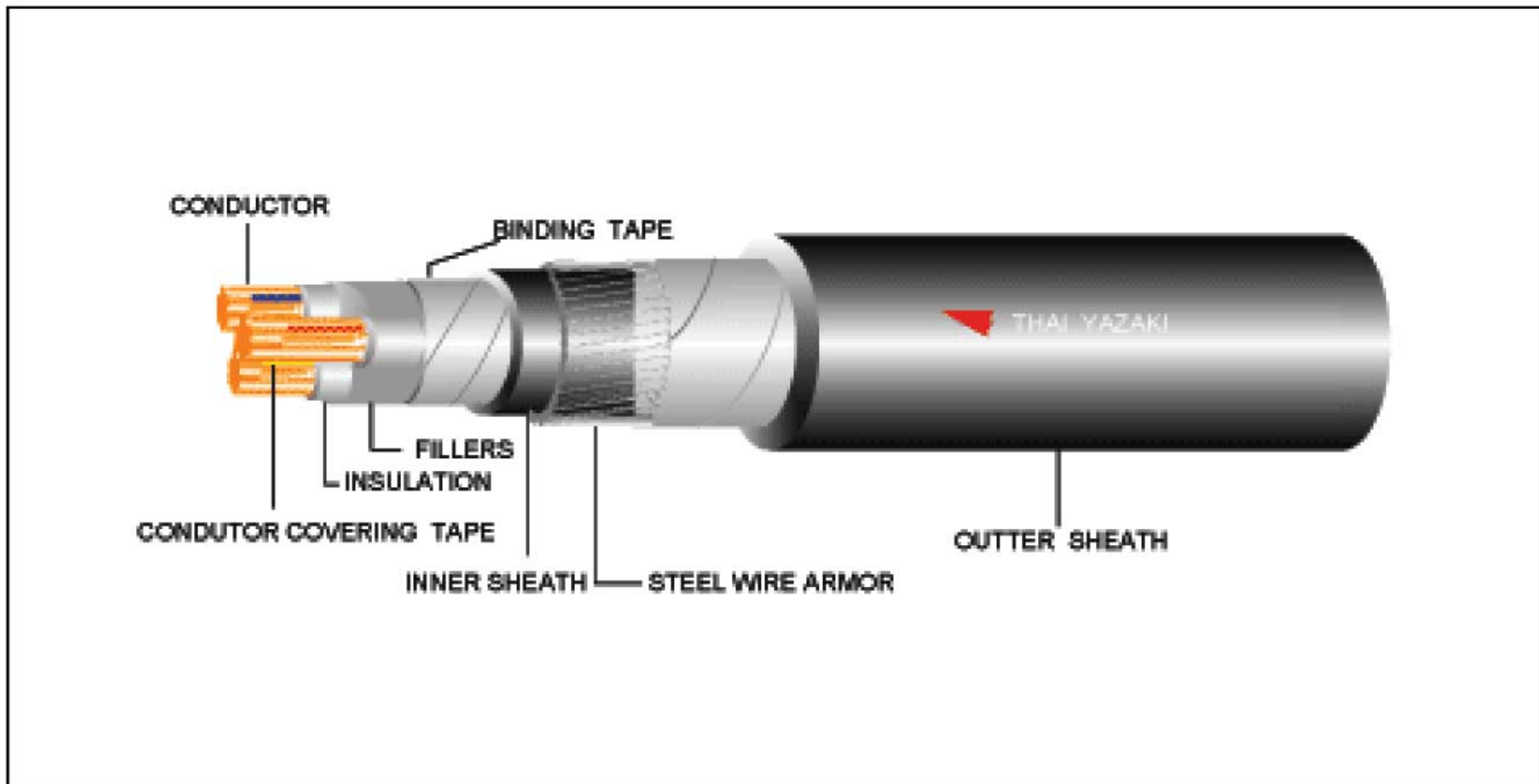
\* REMARK : SPECIAL PROTECTION CAN BE PRODUCED

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## 0.6 /1.2 KV-CV-SWA

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### 0.6/1 kV. Cross linked Polyethylene Insulated PVC Sheath Steel Wire Armored Power Cable



### CABLE STRUCTURE

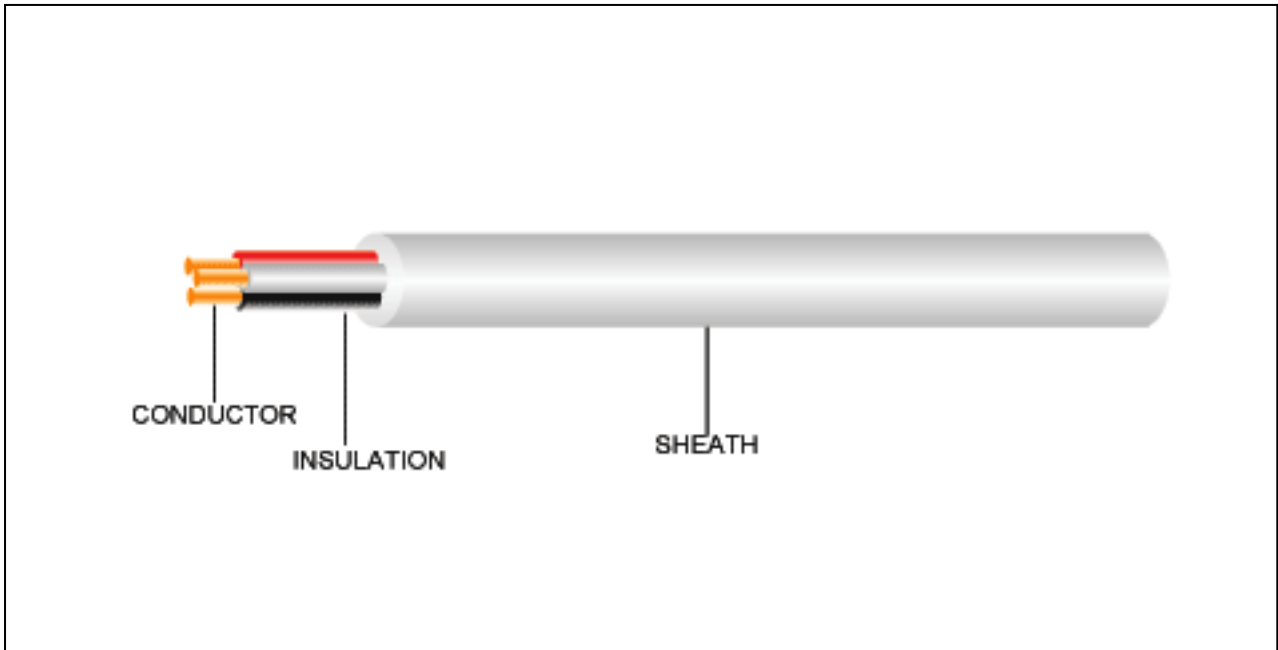
<b>NUMBER OF CORE CONDUCTOR</b>	: 2 up to 4 cores : Concentric stranded and compact Stranded annealed copper sizes. 1.5 mm <sup>2</sup> up to 400 mm <sup>2</sup>
<b>INSULATION</b>	: Cross-linked polyethylene Color: Natural (Translucent) Color: Black, White, Red and Green
<b>ARMORED INNER AND OUTER SHEATH</b>	: Steel wire armored : PVC Color: Black
<b>CLASSIFICATION</b>	: Maximum conductor temperature 90° C Circuit voltage not exceeding 1,000 volts
<b>TESTING VOLTAGE REFERENCE</b>	: 3,500 volts : IEC 60502-2

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# VVR-GRD

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



## CABLE STRUCTURE

<b>NUMBER OF CORE CONDUCTOR</b>	: 2-4 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 cores – Light gray and Black 3 cores – Light gray, Black and Red 4 cores - Light gray, Black, Red and Blue
<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 12

# VVR - GRD

TIS 11-2531  
TABLE 12

Number of core	Nominal cross section 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)	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.