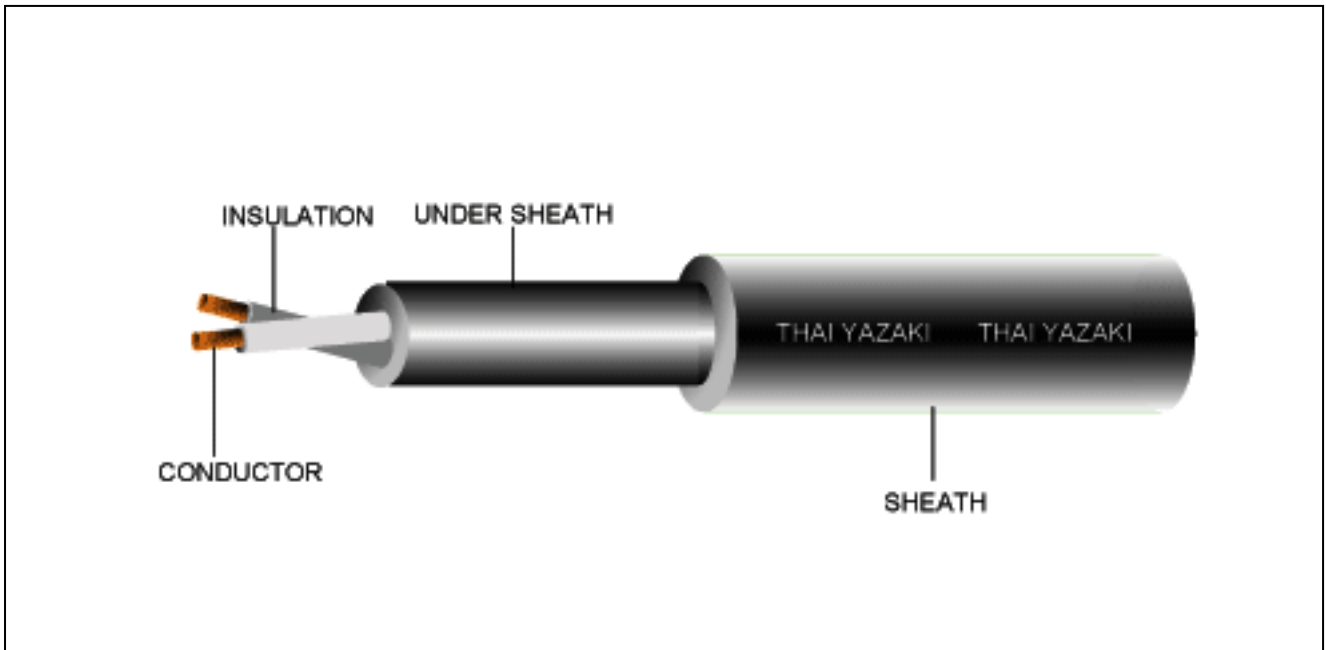


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# NYY, MEA TYPE C

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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.