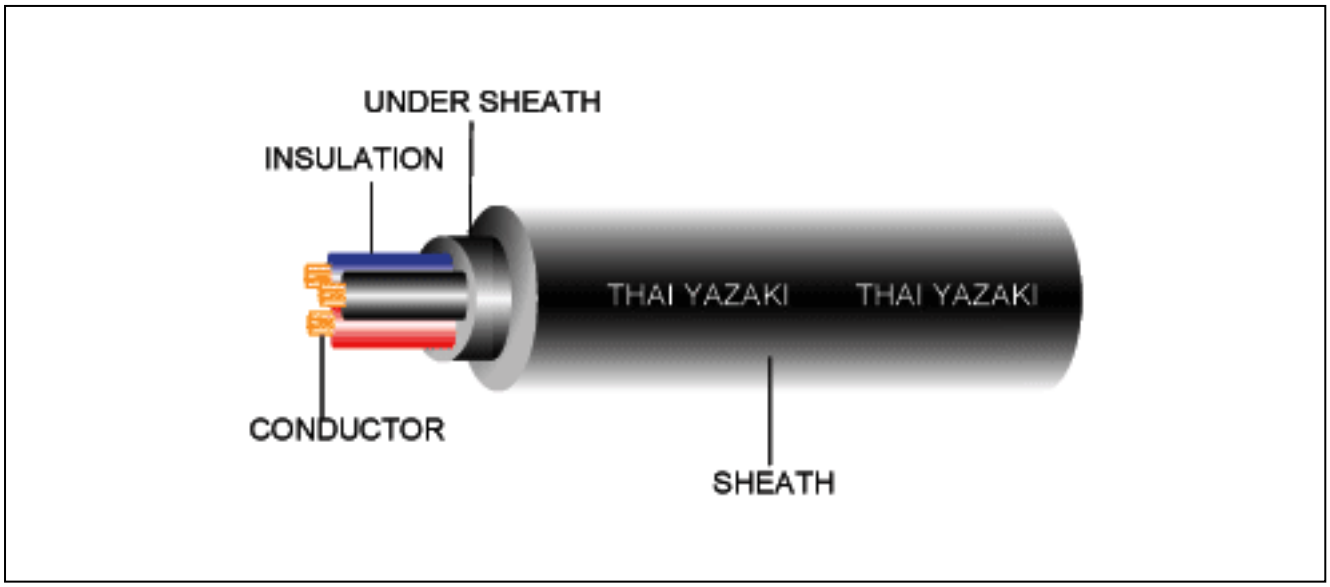
NYY-GRD, MEA TYPE C-GRD

750 V 70 ^{0} C PVC INSULATED AND DOUBLE SHEATHED ROUND TYPE ,WITH GROUND



CABLE STRUCTURE

NUMBER OF CORE	:	2 Up to 4 cores with safety ground
CONDUCTOR	:	Solid and stranded annealed copper, sizes 1 mm^2 up to 300 mm^2
	:	Ground conductor size 1 mm^2 up 35 mm^2
INSULATION	:	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
SHEATH	:	PVC
UNDER SHEATH		Color: Black
CLASSIFICATION	:	Maximum conductor temperature 70 ^{0}C Circuit voltage not exceeding 750 volts
TESTING VOLTAGE	:	2,500 volts
REFERENCE	:	TIS 11-2531, Table 14

NYY-GRD, MEA TYPE C-GRD

TIS 11-2531
TABLE 14

Number of core	Nominal Cross Sectional area (mm^2)	Number and diameter of wire (No./mm)	Insulatio thickness (mm)	Nominal cross sectional area of ground conductor (m^2)	Ground insulation thickess (mm)	Under sheath 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)
										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

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TABLE 14

Number of core	Nominal cross section area (mm^2)	Number and diameter of wire (No./mm)	Insulatio thickness (mm)	Nominal cross sectional area of ground conductor (m^2)	Ground insulation thickess (mm)	Under sheath 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)
										Free air	Under ground		
	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
4	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