

# 750V 70°C NYY-GRD

TIS 11-2531, TABLE 14 (2 CORE)



## Construction :

1. Conductor : Solid or concentric stranded annealed copper wires
2. Insulation : Polyvinyl chloride (PVC)  
Identification : Phase - Gray and Black color  
Ground - Green/Yellow color
3. Inner Sheath : Polyvinyl chloride (PVC), Black color
4. Outer Sheath : Polyvinyl chloride (PVC), Black color

## Application :

For installation exposed or in raceway, dry or wet location or direct burial in ground.

Phase conductor			Ground conductor			Thickness of inner Sheath	Thickness of outer Sheath	Overall diameter	Current rating		Minimum insulation resistance (at 70°C)	Cable weight (Approx.)	Standard Length
Nominal cross-sectional area sq.mm	No. & dia. of wires No./m	Thickness of insulation mm	Nominal cross-sectional area sq.mm	No. & dia. of wires No./m	Thickness of insulation mm				in air	in ground			
1	1/1.13	0.8	1	1/1.13	0.6	0.8	1.8	12.5	16	22	0.0141	170	500/D
1	7/0.40	0.8	1	7/0.40	0.6	0.8	1.8	13.0	16	22	0.0135	170	500/D
1.5	1/1.38	0.8	1	1/1.13	0.6	0.8	1.8	13.0	20	27	0.0123	190	500/D
1.5	7/0.50	0.8	1	7/0.40	0.6	0.8	1.8	13.5	20	27	0.0116	190	500/D
2.5	1/1.78	0.8	1.5	1/1.38	0.6	0.8	1.8	14.0	26	35	0.0102	230	500/D
2.5	7/0.67	0.8	1.5	7/0.50	0.6	0.8	1.8	15.0	26	35	0.0093	230	500/D
4	1/2.25	0.9	2.5	1/1.78	0.6	0.8	1.8	15.5	34	48	0.0094	300	500/D
4	7/0.85	0.9	2.5	7/0.67	0.6	0.8	1.8	16.5	34	48	0.0085	300	500/D
6	7/1.04	0.9	4	7/0.85	0.6	0.8	1.8	18.0	44	60	0.0073	400	500/D
10	7/1.35	1.1	4	7/0.85	0.6	0.8	1.8	19.5	62	83	0.0069	550	500/D
16	7/1.70	1.1	6	7/1.04	0.6	0.8	2.0	22.5	82	107	0.0057	760	500/D
25	7/2.14	1.3	6	7/1.04	0.6	1.2	2.0	27.0	107	137	0.0054	1110	500/D
35	19/1.53	1.3	10	7/1.35	0.6	1.2	2.0	29.5	132	167	0.0047	1410	500/D
50	19/1.78	1.5	10	7/1.35	0.6	1.2	2.2	33.5	160	199	0.0046	1900	500/D
70	19/2.14	1.5	10	7/1.35	0.6	1.5	2.2	38.0	198	243	0.0039	2430	500/D
95	19/2.52	1.7	16	7/1.70	0.6	1.5	2.2	42.5	242	293	0.0038	3230	500/D
120	37/2.03	1.7	16	7/1.70	0.6	1.5	2.4	46.5	283	335	0.0034	3920	300/D
150	37/2.25	1.9	25	7/2.14	0.6	1.8	2.6	52.0	324	374	0.0034	4870	300/D
185	37/2.52	2.1	25	7/2.14	0.6	1.8	2.8	57.0	373	422	0.0034	5940	300/D
240	61/2.25	2.3	35	19/1.53	0.6	2.0	3.0	64.0	445	489	0.0033	7680	200/D
300	61/2.52	2.5	35	19/1.53	0.6	2.0	3.2	70.5	512	552	0.0032	9350	200/D