

750V 70°C NYY

TIS 11-2531, TABLE 7 (4 CORE)



Construction :

1. Conductor : Solid or concentric stranded annealed copper wires
2. Insulation : Polyvinyl chloride (PVC)
Identification : Gray, Black, Red and Blue 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.

Conductor		Thickness of insulation mm	Thickness of inner Sheath mm	Thickness of outer Sheath mm	Overall diameter mm	Current rating		Minimum insulation resistance (at 70°C) Mohm-km	Cable weight (Approx.) kg/km	Standard Length m
Nominal cross-sectional area sq.mm	No. & dia. of wires No./mm					in air A	in ground A			
1	1/1.13	0.8	0.8	1.8	13.5	12	17	0.0141	200	100/C
1	7/0.40	0.8	0.8	1.8	14.0	12	17	0.0135	200	100/C
1.5	1/1.38	0.8	0.8	1.8	14.0	16	22	0.0123	230	100/C
1.5	7/0.50	0.8	0.8	1.8	14.5	16	22	0.0116	230	100/C
2.5	1/1.78	0.8	0.8	1.8	15.0	20	28	0.0102	290	100/C
2.5	7/0.67	0.8	0.8	1.8	16.0	20	28	0.0093	290	100/C
4	1/2.25	0.9	0.8	1.8	17.0	27	37	0.0094	390	100/C
4	7/0.85	0.9	0.8	1.8	17.5	27	37	0.0085	390	100/C
6	7/1.04	0.9	0.8	1.8	19.0	34	46	0.0073	530	100/C
10	7/1.35	1.1	0.8	2.0	23.0	46	61	0.0069	810	500/D
16	7/1.70	1.1	1.2	2.0	26.5	63	80	0.0057	1160	500/D
25	7/2.14	1.3	1.2	2.0	31.0	83	104	0.0054	1700	500/D
35	19/1.53	1.3	1.5	2.2	35.0	111	124	0.0047	2240	500/D
50	19/1.78	1.5	1.5	2.2	39.5	119	146	0.0046	3070	500/D
70	19/2.14	1.5	1.5	2.4	44.5	150	179	0.0039	3970	500/D
95	19/2.52	1.7	1.8	2.6	51.5	185	214	0.0038	5410	300/D
120	37/2.03	1.7	1.8	2.8	56.0	216	244	0.0034	6640	300/D
150	37/2.25	1.9	2.0	3.0	62.0	247	274	0.0034	8130	300/D
185	37/2.52	2.1	2.0	3.2	68.0	285	309	0.0034	10050	200/D
240	61/2.25	2.3	2.2	3.4	76.5	340	359	0.0033	12960	200/D
300	61/2.52	2.5	2.2	3.8	85.0	389	403	0.0032	16040	200/D