

750V 70°C NYY

TIS 11-2531, TABLE 7 (2 CORE)



Construction :

1. Conductor : Solid or concentric stranded annealed copper wires
2. Insulation : Polyvinyl chloride (PVC)
Identification : Gray and Black 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	12.0	16	22	0.0141	160	100/C
1	7/0.40	0.8	0.8	1.8	12.5	16	22	0.0135	160	100/C
1.5	1/1.38	0.8	0.8	1.8	12.5	20	28	0.0123	180	100/C
1.5	7/0.50	0.8	0.8	1.8	13.0	20	28	0.0116	180	100/C
2.5	1/1.78	0.8	0.8	1.8	13.5	26	36	0.0102	210	100/C
2.5	7/0.67	0.8	0.8	1.8	14.0	26	36	0.0093	210	100/C
4	1/2.25	0.9	0.8	1.8	15.0	35	49	0.0094	280	100/C
4	7/0.85	0.9	0.8	1.8	15.5	35	49	0.0085	280	100/C
6	7/1.04	0.9	0.8	1.8	17.0	44	61	0.0073	370	100/C
10	7/1.35	1.1	0.8	1.8	19.5	62	83	0.0069	530	500/D
16	7/1.70	1.1	0.8	2.0	22.5	81	106	0.0057	720	500/D
25	7/2.14	1.3	1.2	2.0	27.0	108	138	0.0054	1090	500/D
35	19/1.53	1.3	1.2	2.0	29.5	132	167	0.0047	1360	500/D
50	19/1.78	1.5	1.2	2.2	33.5	160	199	0.0046	1880	500/D
70	19/2.14	1.5	1.5	2.2	38.0	199	244	0.0039	2430	500/D
95	19/2.52	1.7	1.5	2.2	42.5	242	293	0.0038	3220	500/D
120	37/2.03	1.7	1.5	2.4	46.5	283	335	0.0034	3940	500/D
150	37/2.25	1.9	1.8	2.6	52.0	325	375	0.0034	4840	300/D
185	37/2.52	2.1	1.8	2.8	57.0	373	422	0.0034	5970	300/D
240	61/2.25	2.3	2.0	3.0	64.0	442	486	0.0033	7700	300/D
300	61/2.52	2.5	2.2	3.2	70.5	510	550	0.0032	9450	200/D