

750V 70°C NYY

TIS 11-2531, TABLE 7 (3 CORE)



Construction :

1. Conductor : Solid or concentric stranded annealed copper wires
2. Insulation : Polyvinyl chloride (PVC)
Identification : Gray, Black and Red 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	12.5	13	19	0.0141	180	100/C
1	7/0.40	0.8	0.8	1.8	13.0	13	19	0.0135	180	100/C
1.5	1/1.38	0.8	0.8	1.8	13.0	17	23	0.0123	200	100/C
1.5	7/0.50	0.8	0.8	1.8	13.5	17	23	0.0116	200	100/C
2.5	1/1.78	0.8	0.8	1.8	14.0	23	32	0.0102	250	100/C
2.5	7/0.67	0.8	0.8	1.8	15.0	23	32	0.0093	250	100/C
4	1/2.25	0.9	0.8	1.8	15.5	30	41	0.0094	330	100/C
4	7/0.85	0.9	0.8	1.8	16.5	30	41	0.0085	330	100/C
6	7/1.04	0.9	0.8	1.8	18.0	39	52	0.0073	440	100/C
10	7/1.35	1.1	0.8	1.8	20.5	52	70	0.0069	640	500/D
16	7/1.70	1.1	1.2	2.0	24.5	70	90	0.0057	930	500/D
25	7/2.14	1.3	1.2	2.0	28.5	92	116	0.0054	1360	500/D
35	19/1.53	1.3	1.2	2.0	31.5	112	140	0.0047	1730	500/D
50	19/1.78	1.5	1.5	2.2	36.0	134	165	0.0046	2440	500/D
70	19/2.14	1.5	1.5	2.2	40.5	167	203	0.0039	3110	500/D
95	19/2.52	1.7	1.5	2.4	46.0	205	242	0.0038	4180	500/D
120	37/2.03	1.7	1.8	2.6	50.5	239	277	0.0034	5190	300/D
150	37/2.25	1.9	1.8	2.8	56.0	273	310	0.0034	6300	300/D
185	37/2.52	2.1	2.0	3.0	61.5	315	350	0.0034	7840	300/D
240	61/2.25	2.3	2.0	3.2	69.0	373	404	0.0033	10060	200/D
300	61/2.52	2.5	2.2	3.4	76.0	429	455	0.0032	12450	200/D