

60227 IEC 01 (THW)



APPLICATION

- Use for general purpose
- For installation in raceway
- Shall be protected water into raceway
- Do not install in duct in ground or direct burial in ground

FEATURES

- Classification : Maximum conductor temperature 70°C
- Rated voltage : 450/750 V
- Testing voltage : 2,500 V
- Conductor : Solid and stranded annealed copper
- Insulation : Polyvinyl chloride (PVC/C)

Reference Standard : TIS 11 Part 3-2553



CONSTRUCTION AND PERFORMANCE



Conductor				Thickness of insulation (mm)	Overall diameter		Insulation resistance at 70°C MΩ.km (min)	Current rating in free air (A)	Cable weight Approx. (kg/km)	Standard length (m)
Cross-sectional area (mm ²)	Class of conductor	No. of wires (min)	Diameter Approx. (mm)		Lower limit (mm)	Upper limit (mm)				
1.5	1	1	1.38	0.7	2.6	3.2	0.0110	21	21	100/C
1.5	2	7	1.53	0.7	2.7	3.3	0.0100	21	22	100/C
2.5	1	1	1.78	0.8	3.2	3.9	0.0100	29	33	100/C
2.5	2	7	1.98	0.8	3.3	4.0	0.0090	29	34	100/C
4	1	1	2.25	0.8	3.6	4.4	0.0085	37	48	100/C
4	2	7	2.49	0.8	3.8	4.6	0.0077	37	50	100/C
6	1	1	2.76	0.8	4.1	5.0	0.0070	48	68	100/C
6	2	7	3.09	0.8	4.3	5.2	0.0065	48	72	100/C
10	1	1	3.57	1.0	5.3	6.4	0.0070	67	110	100/C
10	2	7	3.99	1.0	5.6	6.7	0.0065	67	120	100/C
16	2	7	5.01	1.0	6.4	7.8	0.0050	92	180	100/C

Class of conductor

- 1 : Solid
- 2 : Strand
- C = Packing in coil
- D = Packing in drum