



Feature

The conductors are applied for overhead ground wires, buried ground wires, messenger wires and supporting cable for electric power transmission and electric communication.

CONSTRUCTION

Conductor

Seven wires of galvanized steel wires of the same nominal diameter are twisted together in concentric layers. The direction of twisting shall be the right-Hand (Z).

The wires of steel wire strands shall be heat treatment and shall be zinc coated uniformly by using the method of hot dipped or electrolyte zinc coated.

The standard tensile strength of wire shall be 125 kg/mm² (1226 N/mm²).

Specification : JIS G 3537:1994

(Other specification are available upon request)

PHYSICAL AND ELECTRICAL PROPERTIES

Cross Section area		No. of wire/ diameter	Approx. overall diameter	Tensile load of strand	Approx. net weight of conductor	Standard length per reel	Before stranding					
Nominal size	Actual size						wire dia. Tolerance	Tensile load	Elongation	Weight of zinc coating	No. of torsion	Wrap test
mm ²	mm ²	No/mm	mm	Ton	kg/km	mm	kg	%	g/mm ²	No.		
6	5.5	7/1.0	3.0	0.631	43.5	2,000	±0.05	98	2.0	110	18	
8	7.9	7/1.2	3.6	0.908	62.7	2,000	±0.05	141	2.0	110	18	
10	10.8	7/1.4	4.2	1.24	85.3	2,000	±0.05	192	2.0	130	18	
14	14.1	7/1.6	4.8	1.62	111	2,000	±0.05	251	2.0	130	18	6x15d
16	17.8	7/1.8	5.4	2.05	141	2,000	±0.06	318	3.0	160	16	
22	22.0	7/2.0	6.0	2.53	174	2,000	±0.06	393	3.0	160	16	
25	29.1	7/2.3	6.9	3.34	230	2,000	±0.06	519	3.0	200	16	
35	37.2	7/2.6	7.8	4.28	294	2,000	±0.08	664	3.0	200	16	
50	46.2	7/2.9	8.7	5.32	366	2,000	±0.08	826	3.0	230	14	
55	56.3	7/3.2	9.6	6.50	446	2,000	±0.80	1010	4.0	230	14	
70	67.3	7/3.5	10.5	7.73	533	2,000	±0.10	1200	4.0	250	14	
80	79.3	7/3.8	11.4	9.14	628	1,000	±0.10	1420	4.0	250	14	
95	88.0	7/4.0	12.0	10.10	696	1,000	±0.10	1570	4.0	250	14	
100	102.0	7/4.3	12.9	11.70	805	1,000	±0.10	1820	4.0	270	12	
120	111.0	7/4.5	13.5	12.80	881	1,000	±0.10	1990	4.0	270	12	
135	137.0	7/5.0	15.0	15.80	1090	1,000	±0.10	1450	4.0	270	12	