

# Enamelled Wire by JIS

## Dimensional & Electrical data

CONDUCTOR		CLASS 2		CLASS 3		Conductor resistance at 20 °C , maximum
Diameter	Tolerance	Film thickness minimum	Overall diameter maximum	Film thickness minimum	Overall diameter maximum	
(mm)						
0.10	± 0.003	0.005	0.125	0.003	0.118	2,381
0.11	± 0.003	0.005	0.135	0.003	0.128	1,957
0.12	± 0.003	0.006	0.147	0.004	0.139	1,636
0.13	± 0.003	0.006	0.157	0.004	0.149	1,389
0.14	± 0.003	0.006	0.167	0.004	0.159	1,193
0.15	± 0.003	0.006	0.177	0.004	0.169	1,037
0.16	± 0.003	0.007	0.189	0.005	0.181	908.8
0.17	± 0.003	0.007	0.199	0.005	0.191	803.2
0.18	± 0.003	0.008	0.211	0.005	0.202	715.0
0.19	± 0.003	0.008	0.221	0.005	0.212	640.6
0.20	± 0.003	0.008	0.231	0.005	0.222	577.2
0.21	± 0.003	0.008	0.241	0.005	0.232	522.8
0.22	± 0.004	0.008	0.252	0.005	0.243	480.1
0.23	± 0.004	0.009	0.264	0.006	0.255	438.6
0.24	± 0.004	0.009	0.274	0.006	0.265	402.2
0.25	± 0.004	0.009	0.284	0.006	0.275	370.2
0.26	± 0.004	0.009	0.294	0.006	0.285	341.8
0.27	± 0.004	0.009	0.304	0.006	0.295	316.6
0.28	± 0.004	0.009	0.314	0.006	0.305	294.1
0.29	± 0.004	0.009	0.324	0.006	0.315	273.9
0.30	± 0.005	0.010	0.337	0.007	0.327	254.0
0.32	± 0.005	0.010	0.357	0.007	0.347	222.8
0.35	± 0.005	0.010	0.387	0.007	0.377	185.7
0.37	± 0.005	0.010	0.407	0.007	0.397	165.9
0.40	± 0.005	0.011	0.439	0.007	0.429	141.7
0.45	± 0.006	0.011	0.490	0.007	0.479	112.1
0.50	± 0.006	0.012	0.542	0.008	0.531	89.95
0.55	± 0.006	0.012	0.592	0.008	0.581	74.18
0.60	± 0.008	0.012	0.644	0.008	0.632	62.64
0.65	± 0.008	0.012	0.694	-	-	53.26
0.70	± 0.008	0.013	0.746	-	-	45.84
0.75	± 0.008	0.014	0.798	-	-	39.87
0.80	± 0.010	0.015	0.852	-	-	35.17
0.85	± 0.010	0.015	0.904	-	-	31.11
0.90	± 0.010	0.016	0.956	-	-	27.71
0.95	± 0.010	0.017	1.008	-	-	24.84
1.00	± 0.012	0.017	1.062	-	-	22.49