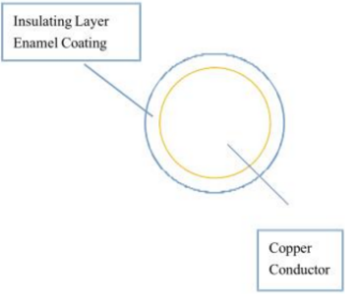
PART NAME		PART SIZE	0.08-2.50 mm
PARTS SPEC		DATE	2022--215

1、OUTSIDE DIMENSION:



	ITEMS	TEC. REQ	TEST METHOD
1、SIZE REQUIREMENT	Overall Diameter	To comply with the value in Table 2	GB4074.2
	Inner Diameter of Conductor	To comply with the value in Table 2	GB4074.2
	Enamelling Thickness	To comply with the value in Table 2	GB4074.2
	Conductor Out of Roundness	To comply with the value in Table 2	GB4074.2

ROHS

APPROVALSPECIFICATION

规　格　书

CUSTOMER（客户）:

DESCRIPTION（品名）:　ENAMELED COPPER WIRE

PART NO（料号）:

DATE NO（日期）:　2022-02-15

REV（版本）:　V1.0

Confirmation of Contractor

Organization	To examine	Approval
DAI SHOU XIANG	GAOYI FENG	SHAOY ONG

User Confirmation

Development	Project	Technology	Quality

The acknowledgement is based on the drawing version number	YT2022-0215B

MAKER	常州易藤电气有限公司 Changzhou Yi Teng Electric Co., Ltd		
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Conductor Diameter	Grade 1 (Type 2)		Grade 2 (Type 1)		Grade 3 Thinnest (Type 0)		Grade 0 Thickest (Type3) Special Spec	
Size Stard ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜
0.230	0.251	0.258	0.259	0.271	0.278	0.290	0.246	0.250
0.240	0.262	0.271	0.272	0.282	0.288	0.300	0.256	0.260
0.250	0.273	0.281	0.282	0.292	0.298	0.310	0.266	0.273
0.260	0.284	0.293	0.294	0.305	0.310	0.328	0.276	0.283
0.270	0.294	0.303	0.304	0.316	0.322	0.334	0.287	0.293
0.280	0.304	0.313	0.314	0.326	0.332	0.343	0.297	0.303
0.290	0.315	0.325	0.326	0.337	0.344	0.357	0.307	0.313
0.300	0.326	0.335	0.336	0.347	0.354	0.367	0.318	0.325
0.310	0.338	0.347	0.348	0.360	0.364	0.377	0.328	0.335
0.320	0.348	0.357	0.358	0.370	0.374	0.387	0.338	0.345
0.330	0.358	0.369	0.370	0.380	0.384	0.397	0.349	0.355
0.340	0.368	0.379	0.380	0.390	0.394	0.409	0.359	0.365
0.350	0.379	0.389	0.390	0.401	0.408	0.421	0.369	0.375
0.355	0.384	0.396	0.397	0.407	0.413	0.426	0.374	0.380
0.360	0.389	0.401	0.402	0.412	0.419	0.433	0.380	0.385
0.370	0.399	0.411	0.412	0.422	0.432	0.445	0.390	0.395
0.380	0.409	0.421	0.422	0.432	0.442	0.454	0.400	0.407
0.390	0.419	0.431	0.432	0.442	0.452	0.466	0.410	0.417
0.396	0.425	0.437	0.438	0.448	0.460	0.472	0.416	0.423
0.400	0.429	0.441	0.444	0.455	0.464	0.475	0.420	0.427
0.410	0.439	0.453	0.454	0.465	0.474	0.485	0.430	0.437
0.420	0.449	0.463	0.464	0.475	0.486	0.502	0.440	0.447
0.430	0.459	0.473	0.474	0.485	0.496	0.512	0.450	0.457
0.440	0.469	0.483	0.484	0.495	0.506	0.522	0.460	0.467
0.450	0.479	0.493	0.495	0.506	0.516	0.532	0.470	0.476
0.460	0.490	0.505	0.506	0.517	0.528	0.543	0.482	0.489
0.470	0.500	0.515	0.516	0.527	0.540	0.554	0.492	0.499
0.480	0.511	0.526	0.527	0.537	0.550	0.564	0.502	0.509
0.490	0.521	0.537	0.538	0.548	0.560	0.575	0.512	0.519
0.500	0.531	0.547	0.548	0.559	0.570	0.585	0.522	0.529
0.510	0.541	0.557	0.558	0.569	0.582	0.596	0.532	0.539
0.520	0.551	0.567	0.568	0.579	0.592	0.606	0.542	0.549
0.530	0.561	0.577	0.578	0.589	0.602	0.616	0.552	0.559
0.540	0.571	0.587	0.588	0.599	0.612	0.626	0.562	0.569
0.550	0.581	0.599	0.600	0.610	0.624	0.638	0.572	0.579
0.560	0.591	0.609	0.610	0.620	0.634	0.648	0.584	0.590

Table 2

Conductor Diameter	Grade 1 (Type 2)		Grade 2 (Type 1)		Grade 3 Thinnest (Type 0)		Grade 0 Thickest (Type3) Special Spec	
Size Stard mm	Overall Dia Min mm	Overall Dia Max mm	Overall Dia Min mm	Overall Dia Max mm	Overall Dia Min mm	Overall Dia Max mm	Overall Dia Min mm	Overall Dia Max mm
0.022	0.025	0.026	0.028	0.029	——	——	——	——
0.025	0.029	0.03	0.031	0.033	——	——	——	——
0.028	0.032	0.033	0.035	0.037	——	——	——	——
0.030	0.034	0.036	0.038	0.040	——	——	——	——
0.032	0.036	0.038	0.040	0.042	——	——	——	——
0.035	0.040	0.042	0.044	0.047	——	——	——	——
0.036	0.041	0.043	0.045	0.048	——	——	——	——
0.040	0.046	0.048	0.050	0.053	——	——	——	——
0.045	0.052	0.054	0.055	0.058	——	——	——	——
0.047	0.054	0.056	0.057	0.060	——	——	——	——
0.050	0.057	0.059	0.060	0.063	——	——	——	——
0.055	0.063	0.066	0.067	0.070	——	——	——	——
0.060	0.068	0.071	0.072	0.075	——	——	——	——
0.064	0.073	0.076	0.077	0.080	——	——	0.071	0.073
0.065	0.074	0.077	0.078	0.082	——	——	0.072	0.074
0.070	0.079	0.084	0.084	0.089	0.089	0.096	0.077	0.079
0.075	0.085	0.09	0.090	0.095	0.095	0.101	0.082	0.086
0.080	0.090	0.095	0.095	0.100	0.100	0.107	0.087	0.089
0.085	0.095	0.101	0.101	0.107	0.107	0.112	0.093	0.095
0.090	0.101	0.107	0.107	0.113	0.113	0.119	0.098	0.101
0.095	0.107	0.113	0.113	0.118	0.118	0.124	0.103	0.107
0.100	0.112	0.118	0.118	0.124	0.124	0.128	0.109	0.112
0.110	0.122	0.13	0.130	0.135	0.136	0.144	0.119	0.122
0.120	0.133	0.14	0.140	0.145	0.146	0.157	0.130	0.133
0.125	0.138	0.146	0.146	0.152	0.155	0.162	0.135	0.139*
0.130	0.145	0.151	0.151	0.157	0.160	0.167	0.140	0.145
0.140	0.156	0.164	0.164	0.170	0.172	0.178	0.151	0.156
0.150	0.166	0.174	0.174	0.180	0.182	0.190	0.161	0.166
0.160	0.177	0.186	0.186	0.192	0.195	0.199	0.172	0.177
0.170	0.189	0.196	0.196	0.204	0.206	0.210	0.184	0.189
0.180	0.200	0.207	0.207	0.216	0.218	0.226	0.194	0.200
0.190	0.210	0.217	0.218	0.226	0.228	0.230	0.204	0.210
0.200	0.220	0.227	0.228	0.236	0.240	0.250	0.214	0.220
0.210	0.230	0.237	0.238	0.246	0.252	0.264	0.225	0.230
0.220	0.241	0.248	0.249	0.258	0.262	0.275	0.235	0.240

0.160	0.8122	0.8502	0.8906	0.700	0.0432	0.0444	0.0457
0.170	0.7211	0.7531	0.7871	0.710	0.0420	0.0432	0.0444
0.180	0.6444	0.6718	0.7007	0.750	0.0376	0.0387	0.0399
0.190	0.5794	0.6029	0.6278	0.770	0.0357	0.0367	0.0378
0.200	0.5237	0.5441	0.5657	0.790	0.0339	0.0349	0.0359
0.210	0.4757	0.4935	0.5124	0.800	0.0331	0.0340	0.0350
0.220	0.4340	0.4497	0.4662	0.830	0.0307	0.0316	0.0326
0.230	0.3941	0.4114	0.4298	0.850	0.0293	0.0301	0.0310
0.240	0.3625	0.3779	0.3941	0.870	0.0280	0.0288	0.0296
0.250	0.3345	0.3482	0.3628	0.900	0.0261	0.0269	0.0277
0.260	0.3096	0.3220	0.3350	0.930	0.0245	0.0252	0.0259
0.270	0.2874	0.2986	0.3103	0.950	0.0234	0.0241	0.0248
0.280	0.2676	0.2776	0.2882	0.970	0.0225	0.0231	0.0238
0.290	0.2497	0.2588	0.2684	1.000	0.0212	0.0218	0.0224
0.300	0.2335	0.2418	0.2501	1.020	0.0203	0.0209	0.0216
0.310	0.2189	0.2265	0.2344	1.050	0.0192	0.0197	0.0203
0.320	0.2056	0.2125	0.2198	1.080	0.0181	0.0187	0.0192
0.330	0.1934	0.1999	0.2066	1.100	0.0175	0.0180	0.0185
0.350	0.1722	0.1777	0.1834	1.120	0.0169	0.0174	0.0179
0.360	0.1620	0.1679	0.1742	1.150	0.0160	0.0165	0.0170
0.370	0.1535	0.1590	0.1648	1.180	0.0152	0.0156	0.0161
0.380	0.1456	0.1508	0.1561	1.200	0.0147	0.0151	0.0156
0.390	0.1382	0.1432	0.1482	1.220	0.0142	0.0146	0.0151
0.400	0.1316	0.1360	0.1407	1.250	0.0135	0.0139	0.0144
0.410	0.1253	0.1295	0.1338	1.280	0.0129	0.0133	0.0137
0.420	0.1195	0.1234	0.1275	1.300	0.0125	0.0129	0.0133
0.430	0.1140	0.1177	0.1215	1.320	0.0121	0.0125	0.0129
0.440	0.1090	0.1124	0.1160	1.350	0.0116	0.0119	0.0123
0.450	0.1042	0.1074	0.1109	1.380	0.0111	0.0114	0.0118
0.460	0.0998	0.1029	0.1060	1.400	0.0108	0.0111	0.0114
0.470	0.0957	0.0985	0.1015	1.450	0.0101	0.0104	0.0107
0.480	0.0917	0.0944	0.0973	1.500	0.0094	0.0097	0.0100
0.490	0.0881	0.0906	0.0933	1.550	0.0088	0.0091	0.0093
0.500	0.0846	0.0871	0.0896	1.600	0.0083	0.0085	0.0088

2.2 Elongation

With a nominal diameter of 0.05mm to including 1.000mm, stretch the sample to fracture on an extensometer or tensile testing machine, calculate the ratio of the length increase at fracture to the original length, expressed in percentage, and the elongation shall be greater than the minimum elongation in Table 4.

2.3 Rebound

The rebound angle of copper conductor with nominal diameter of 0.080mm ~ 1.600mm shall comply with the value in Table 5.

1.1 **2.1 Resistance per unit length**

Measure the resistance R of 1m sample and calculate the resistance R20 at 20 ℃, which shall comply with the value of Table 3.

Calculation formula: R_{20} (Ω/m) =R*X Temperature coefficient

Conductor temperature coefficient is shown in the table below (The standard temperature is 20℃)

Temperature ℃	Coefficient (X)	Temperature ℃	Coefficient (X)	Temperature ℃	Coefficient (X)
10	1.042	19	1.004	28	0.969
11	1.038	20	1.000	29	0.965
12	1.033	21	0.996	30	0.961
13	1.029	22	0.992	31	0.957
14	1.025	23	0.988	32	0.954
15	1.021	24	0.984	33	0.950
16	1.016	25	0.980	34	0.946
17	1.012	26	0.976	35	0.943
18	1.008	27	0.972	36	0.939

Table 3

Nominal conductor (mm)	Resistance (Ω/m)			Nominal conductor (mm)	Resistance (Ω/m)		
Nominal diameter	Minimum	Standard	Maximum	Nominal diameter	Minimum	Standard	Maximum
0.040	12.3380	13.6030	15.0730	0.500	0.0846	0.0871	0.0896
0.045	9.8520	10.7480	11.7710	0.510	0.0811	0.0837	0.0864
0.050	7.9220	8.7060	9.4890	0.530	0.0751	0.0775	0.0800
0.060	5.5020	6.0460	6.5900	0.540	0.0724	0.0746	0.0770
0.063	5.0450	5.4840	5.9220	0.550	0.0698	0.0719	0.0742
0.065	4.8090	5.1540	5.5330	0.560	0.0673	0.0694	0.0716
0.070	4.0500	4.4420	4.8900	0.570	0.0649	0.0670	0.0691
0.080	3.1330	3.4010	3.7030	0.580	0.0627	0.0647	0.0667
0.090	2.4950	2.6870	2.9000	0.590	0.0606	0.0625	0.0645
0.100	2.0340	2.1760	2.3330	0.600	0.0588	0.0605	0.0622
0.110	1.6900	1.7990	1.9170	0.620	0.0551	0.0566	0.0582
0.120	1.4260	1.5110	1.6040	0.630	0.0534	0.0548	0.0564
0.125	1.3170	1.3930	1.4750	0.640	0.0516	0.0531	0.0548
0.130	1.2200	1.2880	1.3610	0.650	0.0500	0.0515	0.0531
0.140	1.0550	1.1100	1.1700	0.670	0.0471	0.0485	0.0499
0.150	0.9219	0.9673	1.0159	0.690	0.0444	0.0457	0.0471

Conductor Diameter	Grade 1 (Type 2)		Grade 2 (Type 1)		Grade 3 Thinnest (Type 0)		Grade 0 Thickest Type3) Special Spec	
Size Stard ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜	Overall Dia Min ㎜	Overall Dia Max ㎜
0.570	0.600	0.619	0.620	0.630	0.644	0.655	0.594	0.600
0.600	0.632	0.651	0.652	0.663	0.678	0.694	0.624	0.630
0.630	0.662	0.681	0.682	0.693	0.708	0.724	0.656	0.655
0.650	0.683	0.701	0.702	0.713	0.728	0.746	0.678	0.678
0.670	0.704	0.723	0.724	0.736	0.752	0.766	0.698	0.698
0.690	0.724	0.743	0.744	0.756	0.772	0.786	0.718	0.718
0.700	0.735	0.755	0.756	0.768	0.784	0.798	0.730	0.732
0.710	0.745	0.765	0.766	0.780	0.796	0.810	0.740	0.742
0.750	0.787	0.807	0.808	0.822	0.838	0.858	0.780	0.782
0.800	0.837	0.857	0.858	0.876	0.890	0.909	0.830	0.839
0.850	0.890	0.909	0.910	0.928	0.942	0.960	0.886	0.889
0.860	0.900	0.919	0.920	0.938	0.952	0.970	0.896	0.899
0.900	0.950	0.963	0.964	0.982	0.996	1.016	0.936	0.948
0.950	1.000	1.013	1.014	1.032	1.050	1.068	0.986	1.000
1.000	1.050	1.065	1.066	1.086	1.100	1.120	1.036	1.048
1.100	1.154	1.167	1.168	1.188	1.200	1.220	1.136	1.154
1.150	1.204	1.217	1.218	1.238	1.254	1.280	1.186	1.204
1.200	1.254	1.269	1.270	1.290	1.304	1.330	1.236	1.254
1.250	1.304	1.319	1.320	1.340	1.354	1.380	1.286	1.304
1.300	1.354	1.369	1.370	1.390	1.420	1.448	1.336	1.354
1.350	1.404	1.419	1.420	1.440	1.470	1.498	1.386	1.404
1.400	1.454	1.469	1.470	1.492	1.520	1.534	1.436	1.456
1.450	1.504	1.523	1.524	1.546	1.570	1.585	1.486	1.506
1.500	1.554	1.573	1.574	1.596	1.620	1.638	1.540	1.558
1.550	1.604	1.623	1.624	1.646	1.670	1.685	——	——
1.600	1.654	1.673	1.674	1.696	1.720	1.735	——	——
1.700	1.754	1.773	1.774	1.796	1.820	1.835	——	——
1.800	1.858	1.875	1.876	1.898	1.920	1.940	——	——
1.900	1.960	1.977	1.978	2.000	2.020	2.042	——	——
2.000	2.060	2.077	2.078	2.104	2.120	2.143	——	——
2.120	2.180	2.199	2.200	2.226	2.240	2.270	——	——
2.360	2.420	2.439	2.440	2.466	2.480	2.510	——	——
2.500	2.560	2.579	2.580	2.606	2.620	2.650	——	——
2.600	——	——	2.680	2.706	2.725	2.750	——	——
2.700	——	——	2.780	2.806	2.825	2.850	——	——
2.800	——	——	2.882	2.908	2.925	2.950	——	——
2.900	——	——	2.986	3.012	3.030	3.060	——	——
3.000	——	——	3.086	3.116	3.130	3.160	——	——

2、Performance Parameter Table：

No.	ITEM	STANDARD	TEST METER	TEST METHODS
1	Resistance	To comply with the value in Table 3	Intelligent resistance tester	GB4074.5
2	Elongation	To comply with the value in Table 4	Elongation tester	GB4074.3
3	Rebound	To comply with the value in Table 5	Rebound angle tester	GB4074.4
4	Adhesion test	The winding / paint film shall not crack	Manual	GB4074.3
		Quick pull test / paint film shall not lose adhesion	Jerk tester / manual	GB4074.3
5	Thermal shock	To comply with the value in Table 6	Oven	GB4074.11
6	Breakdown Voltage	To comply with the value in Table 7	High voltage tester	GB4074.5
7	High pressure pinhole	To comply with the value in Table 8	250V film continuity tester	GB4074.20
8	Saline pinhole	To comply with the value in Table 9	Salt water pinhole testing device	GB 6109.4
9	Solderability	375±5℃ paint film should be smooth without residue	Solder Pot	GB4074.26
10	Softening breakdown	There should be no breakdown at 170℃ for 2 min	Softening breakdown tester	GB 6109.13
11	Thermal bonding	The sample shall not spread under the test conditions	Oven / winding rod	GB/T4074.3

№	日 期 DATE	记 号 SIGN	更 改 REVISION	页 PAGE
①				
②				

Table 5 Springback

Conductor Diameter d mm	Round Rod mm	Load N	Max Springback (°)		Conductor Diameterd d mm	Round Rod mm	Load N	Max Springback (°)	
			Grade 1	Grade 2				Grade 1	Grade 2
					0.3			50	55
0.1	5	0.25	64	73	0.35	19	4	48	53
					0.4			45	50
0.11			64	73	0.45			44	48
0.12	7	0.5	62	70	0.5	25	8	43	47
0.14			59	67	0.55			41	44
0.16			59	67	0.6			46	50
0.18	10	1	57	65	0.71	37.5	12	44	47
0.2			54	62	0.8			41	43
					0.9			45	48
0.21			51	59	1			42	45
0.23			49	56	1.1			39	41
0.25	12.5	2	49	56	1.2	50	15	35	37
0.28			48	53	1.4			32	34
					1.6			28	30

Note: in the middle specification of adjacent nominal diameter, the corresponding springback angle of larger nominal diameter is taken.

2.5 **Heat Shock Test**

The nominal diameter is 1.600 mm and below, the diameter of the round bar is specified in Table 6 below, and the paint film shall not crack after half an hour of test as required.

Table 6

Conductor Diameter d mm	Round roll Diameter d mm	Elongate before wind %	Specification	Minimum test temperature ℃
0.100<d≤0.160	$3D^{b}$	—	Q (ZY/XY) —1(2)/200 QZY—1(2)/180 QZ (G) —1(2)/155 QZ—1(2)/130 QA—1(2)	220
0.160<d≤0.250	$4D^{b}$	—		200
0.250<d≤1.000	2D	—		175
1.000<d≤1.600	3D	—		155
1.600<d≤2.500	—	25		125

a) Before winding, the sample shall be elongated by 20% or stretched to the breaking point of copper, whichever is less. b) D is the outer diameter of copper enamelled round winding wire, calculated according to Appendix B.

2.6 By twisting method, the minimum breakdown voltage shall comply with the value in the **Table 7** below.

2.4 Flexibility and adhesion Test

2. 4. 1 Round rod winding:

Diameter 0. 100mm - 3. 000mm, 1D diameter of the test bar after winding, enamel layer should not crack.

2. 4. 2 Sudden pull-off Testing:

If the diameter is less than 1. 000mm, the enamel layer should not crack or lose adhesion after sudden pull-off.

Table 4

Conductor Nominal Diameter/ mm	Elongation/Min %	Conductor Nominal Diameter/ mm	Elongation/Min %	Conductor Nominal Diameter/ mm	Elongation/Min %
0.018	5	0. 180	20	1.800	32
0.020	6	0. 200	21	2.000	33
0.022	6	0.224	21	2. 240	33
0.025	7	0. 250	22	2.500	33
0.028	7	0. 280	22	2 800	34
0.032	8	0.315	23	3.150	34
0.036	8	0. 355	23	3 550	35
0.040	9	0. 400	24	4.000	35
0.045	9	0.450	25	4.500	36
0.050	10	0. 500	25	5.000	36
0.056	10	0. 560	26		
0.063	*12*	0. 630	27		
0.071	13	0.710	28		
0.080	14	0. 800	28		
0.090	15	0. 900	29		

Note: For the middle dimension of the nominal diameter of the conductor, the elongation value corresponding to the nominal diameter of the larger conductor shall be taken.

Table 7

Conductor mm	Min breakdown Voltage V		Conductor mm	Min breakdown Voltage V	
	Grade 1	Grade 2		Grade 1	Grade 2
0.05	500	900	0.280	2400	4100
0.06	600	1000	0.310	2400	4200
0.07	700	1200	0.350	2600	4400
0.08	800	1800	0.400	2800	4500
0.100	1200	2200	0.350	2600	4400
0.110	1500	2800	0.400	2800	4500
0.120	1600	2900	0.500	3000	4600
0.140	1800	3100	0.550	3000	4700
0.180	1900	3400	0.600	3100	4900
0.200	2000	3600	0.700	3100	5000
0.230	2100	3800	0.900	3300	5200
0.250	2300	4000	1.00-2.50	3500	5200
Note: In the middle specification of adjacent nominal diameter, the breakdown voltage corresponding to the larger nominal diameter shall be taken.					

2.7 The number of defects in enameled wires with diameter not bigger than 1.600 shall not exceed the provisions of Table 8 in the length of 30 meters

2.8 Pinhole

Take 6m sample and immerse 5m in test solution (test solution is 0.2% salt water and 3% phenolphthalein alcohol solution in salt water). Test solution is positive electrode, sample conductor is negative electrode, apply 24V DC voltage for 1 minute, check the number of pinholes . The pinholes should not exceed the value in Table 9.

Table 8 High voltage pinhole （Paint film continuity test）

Conductor Diameter/mm		Defect in 30 m		
From	Including To	Grade 1 Grade 1B	Grade 2 Grade 2B	Grade 3
—	0.050	60	24	—
0.050	0.080	60	24	3
0.080	0.125	40	15	3
0.125	1.600	25	5	3

Table 9 Pinhole

Specification	Pinhole Max
Grade 1	5
Grade 2	3

2.9 Solder Test

This regulation only applies to QA/UEW Wire.

2.9.1 After immersing the sample with nominal diameter of 0.100mm and below into the soldering furnace with temperature of 375 ℃ ± 5 ℃ for 2S. The surface of copper enamelled round winding wire and tinned wire shall be smooth, clean and free of paint film residue.

2.9.2 After immersing the sample with nominal diameter of 0.100mm and above into the soldering furnace with temperature of 375 ℃ ± 5 ℃ for t seconds. The surface of copper enamelled round winding wire and tinned wire shall be smooth, clean and free of paint film residue.

The time t is calculated according to the following formula, with a minimum of 3S:

$t = k \cdot d$

d —— Sample conductor diameter (mm)

k —— Constant, 10 for Grade 1 and 15 for Grade 2.

2.10 Softening Cut Through Test

2.10.1 The cut through test is applicable to round copper conductor with diameter of 0.100mm to 1.600mm

2.10.2 The softening cut through test of copper enamelled round winding wire shall be conducted according to the requirements specified in Table 10 and Table 11.

The softening cut through test results of various types of copper enamelled round winding wire shall comply with the value in Table 12.

Table10 Heating Time

Conductor Diameter	mm	Load N
From	To	
0.100	1.000	1
1.000	1.600	2

Table11 The load applied at the intersection point

Type	Temperature Max，℃	Technical Requirement
QA	170℃	No breakdown within 2 min
QZ	240℃	
QZY	300℃	
Q (ZY/XY)	320℃	

2.11 Adhesion test

Comply with GB / T4074 Article 7 stipulates that the measurement of adhesion of enamelled round copper wire with nominal diameter less than 0.05mm shall be determined after negotiation between the supplier and the buyer.

Table 12

Type	Temperature Max, ℃	Technical Requirement
QA	170℃	No breakdown within 2 min
QZ	240℃	
QZY	300℃	
Q（ZY/XY）	320℃	

3. PACKING:

Winding Reel：PT Spool

Outer protective material: PE film bag + carton protection

Marking：

a）Name and address of manufacturer； b）

Product model and specification（mm）； c）Net

weight （kg）；

d）Date of manufacture and packaging：

№	日　期 DATE	记　号 SIGN	更　改 REVISION	页数
①				12
②				