Type 2 Litz Wire Modified Polyurethane Enamelled Litz Copper Wire

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: ROHS
- Model Number: UEWH/U@180 Type 2
- Minimum Order Quantity: The MOQ varies according to the size of the specification
- Price: Copper price plus processing fee plus freight
- Packaging Details: Box
- Delivery Time: 3-5 work days
- Payment Terms: T/T 100% payment before shipment
- Supply Ability: Delivery 10-15 days after next order

Product Specification

- Product Name: UEWH/U@180 Type 2
- Material: Copper
- Appearance: Surface No Injuries And Adhesion
- Twisted Pitch: Calculate The Twist Pitch.
- Twist Direction: In Normal Conditions Of Twisted Direction Is Clockwise.
- Resistance To Cut Though: Not Less Than 225 And 2 Min Single Wire
- Solderability: Solder Shall Adhere To The Conductor Uniformly
- Application: All Types Of High-frequency Coil Equipment
- Adherence: No Crack On The Film
- Specification: 0.10x820
- Pinhole: Twisted Wire Of The Pinhole Of Twisted Line Number To Calculate
- Highlight: **Type 2 Litz Wire**, **Polyurethane Litz Wire**, **Enamelled Litz Copper Wire**

Our Product Introduction

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Product Description

Modifiy polyurethane Enamelled Litz Copper Wire UEWH/U@180 Type 2

3. Test methods :

3.1 Appearance : Comply with JISC 3216.

3.2 Dimension :Comply with JSC 3216-2.

3.3Pinhole :Comply with JISC 3216-5(length ofsample is 6 meters).

3.4 Flexibility :Single wire comply with JSC 3216-3.

3.5.Adherence: Single wire comply with JSC 3216-3.

3.6 Resistance to abrasion : Single wire comply with JSC 3216-3.

3.7 Dielectric breakdown voltage : Comply with JISC 3216-5. Next table of hook no and twisted numer (twisted wire).

Conductor diameter(mm)	Hook no(g)	Length 12cm of twist number
0. 08~0. 11	10	30

3.8.Resistance to Cut through test : Single wire comply with No. 3.50 of MW 1000 test Not less than 200℃. So next table of exert weight :

Conductor diameter(mm)	Exert weigh(g)
0.079~0.114	150

3.9 Resistance to heat shock test : Single wire comply with No.9 of IEC60317-0-1 test:

Nominal conductor diameter (mm)		Elongation before winding on mandrel (%)	Mandrel diameter (mm)
Above	up to and including		
0.080	0.112	5	0.15

3.10.Resistance to solvent test : Comply with JISC 3216-4 test.

3.11.Solderability : Single wire comply with NO.3.13 of MW-1000 test. So next table of dipping time :

Conductor diameter（mm）	Covered with continuous film of solder after immersion as follows
0. 05~0. 114	390℃/4s

AWG	Diameter of Conduct		Conductor Control Benchmarks		OD Control Benchmarks			Specification Boundaries		Conductor Resistance 20 (Ω/KM)	Insulation breakdown voltage (v)	Min Elongation (%)	Max. Springiness (°)	Resistance to abrasion	
					NEMA---Single									Unit mm	
			Lower Limit	Upper Limit	Lower Limit	Median	Upper Limit	Min. Increase in Diameter	Max. Finished overall Diameter					Average	Minimum
44	0.051	+0.002 -0.003	0.050	0.052	0.056	0.059	0.060	0.005	0.061	9527.95	500	14	--	--	--
43	0.056	+0.002 -0.003	0.055	0.057	0.063	-------	0.066	0.005	0.069	7815.03	550	15	--	--	--
42	0.064	+0.002 -0.003	0.063	0.065	0.071	0.073	0.075	0.005	0.076	5899.60	625	16	--	--	--
41	0.071	+0.003 -0.002	0.070	0.072	0.079	0.081	0.083	0.008	0.084	4610.88	700	17	--	--	--
40	0.079	+0.002 -0.003	0.078	0.080	0.087	0.090	0.093	0.008	0.094	3800.62	775	17	--	--	--
39	0.089	+0.002 -0.003	0.088	0.090	0.099	0.102	0.105	0.008	0.107	2968.15	850	18	--	--	--
38	0.102	+0.002 -0.003	0.101	0.103	0.111	0.114	0.117	0.008	0.118	2239.81	950	19	--	--	--
37	0.114	+0.003 -0.002	0.113	0.115	0.125	0.128	0.131	0.010	0.132	1750.03	1075	20	--	--	--
36	0.127	+0.003 -0.003	0.126	0.128	0.139	0.142	0.145	0.010	0.147	1427.71	1200	20	--	--	--
35	0.142	+0.003 -0.002	0.141	0.143	0.154	0.157	0.160	0.010	0.165	1120.02	1325	21	--	--	--
34	0.16	+0.003 -0.003	0.159	0.161	0.175	0.178	0.181	0.013	0.183	890.60	1500	22	--	--	--
33	0.18	+0.003	0.17	0.181	0.19	0.1	0.20	0.013	0.206	692.8	1675	23	--	--	--

		-0.002	9		5	99	3			5					
32	0.203	+0.003 -0.002	0.202	0.205	0.220	0.224	0.228	0.015	0.229	543.36	1850	24	--	--	--
31	0.226	+0.003 -0.002	0.225	0.228	0.243	0.247	0.251	0.015	0.254	437.51	2075	24	--	--	--
30	0.254	+0.002 -0.003	0.252	0.256	0.274	0.278	0.282	0.018	0.284	348.45	2300	25	66	295	250
29	0.287	+0.003 -0.003	0.285	0.289	0.308	0.312	0.316	0.018	0.320	272.17	2375	26	61	310	265
28	0.32	+0.003 -0.002	0.318	0.322	0.343	0.347	0.351	0.020	0.356	217.08	2425	26	55	335	285
27	0.361	+0.002 -0.003	0.358	0.363	0.383	0.387	0.391	0.020	0.396	171.28	2500	27	50	355	300
26	0.404	+0.002 -0.005	0.401	0.406	0.429	0.433	0.437	0.023	0.439	137.89	2550	27	76	380	325
25	0.455	+0.002 -0.005	0.452	0.457	0.480	0.485	0.490	0.023	0.493	108.41	2625	28	72	400	340
24	0.511	+0.002 -0.006	0.507	0.513	0.538	0.543	0.548	0.025	0.551	86.08	2700	28	67	430	365
23	0.574	+0.003 -0.005	0.570	0.576	0.601	0.606	0.611	0.025	0.617	67.8	2775	29	62	460	390
22	0.643	+0.002 -0.008	0.639	0.645	0.673	0.678	0.683	0.028	0.686	54.44	2850	29	58	490	415
21	0.724	+0.002 -0.008	0.720	0.726	0.754	0.760	0.766	0.028	0.770	42.82	2925	30	53	525	445
20	0.813	+0.005 -0.008	0.808	0.816	0.846	0.852	0.858	0.030	0.864	33.88	3000	30	66	560	475
19	0.912	+0.005 -0.01	0.907	0.915	0.945	0.951	0.957	0.030	0.963	26.98	3075	31	62	600	510
18	1.024	+0.005 -0.011	1.019	1.027	1.060	1.066	1.072	0.033	1.077	21.39	3175	32	58	645	550

17	1.151	+0.005 -0.013	1.145	1.154	1.190	1.196	1.202	0.036	1.207	16.95	3250	32	54	690	585
16	1.29	+0.008 -0.012	1.284	1.293	1.330	1.336	1.342	0.036	1.349	13.44	3325	33	50	735	625
15	1.45	+0.008 -0.015	1.444	1.453	1.492	1.498	1.505	0.038	1.509	10.66	3425	33	46	780	665
14	1.628	+0.008 -0.015	1.621	1.631	1.673	1.680	1.687	0.041	1.692	8.44	3525	33	42	840	715
The above single wear resistance value is applicable to MW-5C 35C 30C 81C 80C 24C 28C 76C , voltage resistance is applicable to MW-5C 35C 30C 81C 79C 75C 77C 26C .															

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