



0.08mm - 3.20mm Polyester Enameled Copper Wire Non Weldable Thermal Class 155

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: PEWSC
- Certification: UL,ROHS
- Model Number: PEW Grade One
- 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

- Model: PEW Grade One
- Material: Copper
- Rated Voltage: 2800V The Voltage Resistance Varies According To The Thickness Of The Film And The Size Of The Specification
- Temperature Grad: 155
- Applications: For Small Motor, General Motor
- Enamel Thickness: Grade One
- Color Options: Could Be Customized
- Sample: Free
- Warranty: 3 Years
- Shape: Round
- Package: Carton
- Highlight: **0.08mm Polyester Enameled Copper Wire, 3.20mm Polyester Enameled Copper Wire**



Product Description

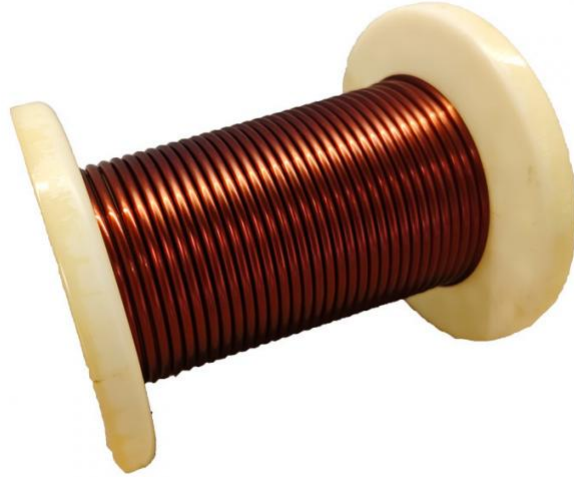
0.08mm-3.20mm polyester enamelled wire PEW Grade one Non weldable Thermal Class 155

The key features of PEW Grade One are its superior insulation properties and excellent resistance to heat and corrosion. This is made possible by its precision coating processing technology, where each layer of coating is carefully monitored to ensure uniform thickness and freedom from defects, thus minimizing the possibility of electrical failure. In addition, the conductor part of this high-end enameled wire is made of high-purity copper, which not only has a high electrical conductivity, but also has excellent mechanical strength and is not prone to breakage or deformation, even after prolonged use under high loads.

PEW Grade One enameled wire is widely used in high-end motors, precision transformers, and electrical equipment that requires stable operation over long periods of time. In these applications, it not only improves the overall performance of the equipment, but also extends the service life of the equipment and reduces maintenance costs.

In summary, PEW Grade One is for professionals and organizations that cannot afford to compromise and are looking for the highest quality electrical materials to ensure the highest standards of performance in their equipment. By choosing PEW Grade One, you are choosing the confidence and assurance that your electrical system will perform optimally under the most demanding conditions.

Our Product Introduction



GB ---Grade1 Unit mm									
Diameter of Conduct	Conductor Tolerance	Conductor Control Benchmarks		OD Control Benchmarks		Specification Boundaries		Conductor Resistance 20 (Ω/KM)	Min Elongatio (%)
		Lower Limit	Upper Limit	Lower Limit	Upper Limit	Min. Increase in Diameter	Max. Finished overall Diameter		
0.040	±0.002	0.039	0.041	0.045	0.049	0.004	0.049	15202	9
0.045	±0.003	0.044	0.046	0.051	0.055	0.005	0.055	12445	9
0.050	±0.003	0.049	0.051	0.056	0.060	0.005	0.060	9938	10
0.056	±0.003	0.055	0.057	0.063	0.067	0.006	0.067	7815	10
0.063	±0.003	0.062	0.064	0.071	0.076	0.007	0.076	6098	12
0.071	±0.003	0.070	0.072	0.079	0.084	0.007	0.084	4747	13
0.080	±0.003	0.079	0.081	0.088	0.094	0.007	0.094	3703	14
0.090	±0.003	0.089	0.091	0.099	0.105	0.008	0.105	2900	15
0.100	±0.003	0.099	0.101	0.109	0.116	0.008	0.117	2333	16
0.112	±0.003	0.111	0.114	0.122	0.129	0.009	0.130	1848	17
0.125	±0.003	0.124	0.127	0.136	0.143	0.010	0.144	1475	17
0.140	±0.003	0.139	0.142	0.152	0.159	0.011	0.160	1170	18
0.160	±0.003	0.159	0.162	0.173	0.180	0.012	0.182	890.6	19
0.180	±0.003	0.179	0.182	0.195	0.202	0.013	0.204	700.7	20
0.200	±0.003	0.199	0.202	0.216	0.224	0.014	0.226	565.7	21
0.224	±0.003	0.223	0.226	0.241	0.249	0.015	0.252	449.5	21
0.250	±0.004	0.249	0.253	0.270	0.278	0.017	0.281	362.8	22
0.280	±0.004	0.279	0.283	0.301	0.309	0.018	0.312	288.2	22
0.315	±0.004	0.314	0.317	0.337	0.346	0.019	0.349	227.0	23
0.355	±0.004	0.354	0.357	0.378	0.387	0.020	0.392	178.2	23
0.400	±0.005	0.398	0.403	0.425	0.435	0.021	0.439	140.7	24
0.450	±0.005	0.448	0.453	0.476	0.486	0.022	0.491	110.9	25
0.500	±0.005	0.498	0.503	0.528	0.538	0.024	0.544	89.59	25
0.560	±0.006	0.557	0.563	0.589	0.599	0.025	0.606	71.53	26
0.630	±0.006	0.627	0.633	0.661	0.673	0.027	0.679	56.38	27
0.710	±0.007	0.707	0.714	0.743	0.755	0.028	0.672	44.42	28
0.800	±0.008	0.797	0.804	0.835	0.847	0.030	0.855	35.00	28
0.900	±0.009	0.897	0.904	0.937	0.949	0.032	0.959	27.65	29
1.000	±0.010	0.997	1.004	1.039	1.053	0.034	1.062	22.40	30
1.120	±0.011	1.116	1.124	1.159	1.193	0.034	1.184	17.85	30
1.250	±0.013	1.246	1.254	1.290	1.304	0.035	1.316	14.35	31
1.400	±0.014	1.396	1.406	1.443	1.458	0.036	1.468	11.43	32
1.600	±0.016	1.596	1.606	1.645	1.660	0.038	1.670	8.75	32



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