

Class 155 Polyurethane Film-Insulated Round Copper Magnet Wire for

Solderable Applications

Table1 Specifications

Insulation materials	Polyurethane Film-Insulated
Dimensions	Single 25-56 AWG in accordance
	with 0.0165mm-0.493mm
	Heavy 25-50 AWG in accordance
	with 0.0356mm-0.516mm
	Triple 25-44 AWG in accordance
	with 0.074mm-0.538mm
Insulation thickness	Single, Heavy, Triple
Thermal Class	155
Certificate	MW 79-C



Table 2 Periodic conformance test

Thermoplastic flow	Median not less than 200°C
Solubility	Specimens immersed in xylene shall not soften sufficiently to expose the
	bare conductor
Dielectric breakdown at rated	Average not less than 75% of the value in Single 1360v-3740v; Heavy
temperature	2270v-7000v; Triple 3100v-8450v



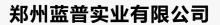
Table 3 Properties

Adherence and	No cracks visible in the film coating
flexibility	
Elongation	Not less than the value in 5-38
Heat shock	No cracks visible in the film coating after conditioning at 175°C
Springback	25-30 AWG: not greater than the value in 66-72
Dielectric breakdown	25-56 AWG: not less than the value in Single 90v-1320v; Heavy 1750v-2370v;
	Triple 690v-3170v
Continuity	25-44 AWG: max number of discontinuities in accordance with Single 350-750;
	Heavy 500-1000; Triple 750-1500
	45-56 AWG: max number of discontinuities in accordance with Single 25; Heavy
	10
Solderability	Covered with continuous film of solder after immersion at 390°C within the
	times specified in Single 25; Heavy 10



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Zhengzhou LP Industry CO., LTD.

Phone: 0086-19337889070 Web: https://lpwindingwire.com Email: office@cnlpzz.com

Add: NO. 86 Jingsan Road, Jinshui District, Zhengzhou, China