

# Class 155 Polyurethane Overcoated with Polyamide Round Copper Wire for Solderable Applications

Table 1 Specifications

Insulation materials	The conductor shall be coated with a dual film. The underlying insulation is based on polyurethane resins. The superimposed coating is based on polyamide resins.
Thermal Class	155
Diameter	single:14-44AWG minimum increase: 0.005mm-0.041mm maximum overall: 0.061mm-1.692mm heavy: 9-44AWG minimum increase: 0.010mm-0.086mm maximum overall: 0.066mm-3.023mm triple: 14-44AWG minimum increase: 0.015mm-0.122mm maximum overall: 0.074mm-1.773mm
Certificate	MW-80C

Table 2 Properties

Heat Shock	No cracks visible in the film coating after conditioning at 175°C
Adherence And Flexibility	No cracks visible in the film coating
Dielectric Breakdown	14-23.5 AWG: not less than 2470V 24-30 AWG: not less than 1070V
Elongation	Not less than 12%

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