

# Class 155 Polyurethane Overcoated with Polyamide Round Aluminum 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:14-30AWG  minimum increase: 0.018mm-0.041mm  maximum overall: 0.284mm-1.692mm  heavy: 14-30AWG  minimum increase: 0.033mm-0.081mm  maximum overall: 0.307mm-1.732mm
Certificate	MW-80A

Table 2 Properties

Adherence And Flexibility	No cracks visible in the film coating
Heat Shock	No cracks visible in the film coating after conditioning at 175°C
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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