

Class 180 Polyurethane Fully Insulated FIW Zero-Defect Insulated Round Copper Wire for Solderable Applications

Table 1 Specifications

Insulation materials	The coating is based on polyurethane resins.
Thermal Class	180
Diameter	Grade FIW 3 to FIW 8: 0.040 mm up to and including 0.067 mm (46-41.5 AWG), Grade FIW 3 to FIW 9: 0.071 mm up to and including 0.355 mm (41-27 AWG), Grade FIW 3 to FIW 8: 0.375 mm up to and including 0.475 mm (27-24.5 AWG), Grade FIW 3 to FIW 7: 0.500 mm up to and including 0.750 mm (24-20.5 AWG), Grade FIW 3 to FIW 6: 0.800 mm up to and including 1.000 mm (20-18 AWG), Grade FIW 3 to FIW 5: 1.060 mm up to and including 1.600 mm (17.5-14 AWG)
Certificate	MW-85C

Table 2 Properties

Adherence And Flexibility	No cracks visible in the film coating after elongation and winding
Springback	Not less than 9 %
Heat Shock	No cracks visible in the film coating of a non-elongated specimen after conditioning at 200°C
Springback	0.080-1.600 mm (40-14 AWG): not greater than 15%

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