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STABLES Hook-Up WIRE

TECHNICAL SPECIFICATIONS

7716-505-185-71

1-737



The present specifications refer to single-strand and multi-strand heat-stable wires with copper current-conducting strands, insulated with fluoroplastic - 4.

Wires are intended for wiring of electric equipment and for working at a temperature of minus 60 to + 220°C and at an alternate current voltage of up to 250 V, frequency up to 5000 Hz or at direct current voltage of up to 500 V.

Wire with cross-section 0.07 mm², is marked as wire 3116-505-185-71. While placing orders and in technical papers.

Current conducting strands should be twisted from copper wires as per design in compliance with Table 1:

Table 1

Number of strands and cross-section

Design of strands

Number of strands

Number of strands of wires, mm

Electrical resistance for 1 km of strand to direct

current, ohm, not more than

Electrical resistance of wires

Maximal mass of 1 km of wire, kg.

Requirements for electric parameters and stability to elastic effects.

Wires should withstand the temperature of $+ 220^{\circ}\text{C}$ for 24 hrs and after that they should withstand the test at alternating current voltage of 1000 V, frequency of 50 Hz, for 1 minute;

Wires should be resistant to cold: they should withstand the temperature of minus 60°C

Wires should be resistant to relative humidity humidity of air up to 95% at a temperature of 25°C without moisture condensation.

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