

(PREVIEW)
Indian Standard

WINDING WIRES FOR SUBMERSIBLE MOTORS — SPECIFICATION

PART 2 MATERIALS FOR DIELECTRIC AND JACKET

1 SCOPE

1.1 This standard (Part 2) specifies the requirements of dielectric and jacket materials for winding wires for submersible motors.

1.2 The types of materials covered by this standard are as given below:

Type 1 HR PVC insulated wires for maximum rated conductor temperature of 85°C.

Type 2 XLPE insulated and polyamide jacketed wires for maximum rated conductor temperature of 105°C.

Type 3 Polyester and polypropylene insulated wires for maximum rated conductor temperature of 105°C.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
1885 (Part 32) : 1993	Electrotechnical vocabulary : Part 32 Electric cables (<i>first revision</i>)
10810 Part 7 : 1984	Method of tests for cables: Part 7 Tensile strength and elongation at break of thermoplastic and electrometric insulation and sheath
Part 11 : 1984	Part 11 Thermal ageing in air
Part 12 : 1984	Part 12 Shrinkage test
Part 14 : 1984	Part 14 Heat shock test
Part 15 : 1984	Part 15 Hot deformation test
Part 30 : 1984	Part 30 Hot set test
Part 33 : 1984	Part 33 Water absorption test (Gravimetric)
Part 43 : 1984	Part 43 Insulation resistance test