

The Indian Standard IS 2365:2018 Steel Wire Suspension Ropes for Lifts, Elevators and Hoists — Specification covers steel wire ropes for use with lifts, elevators and hoists having cars or platforms carrying passengers or goods and working in guides. The rope constructions of 6X19M(12/6-1), 6X19S(9-9-1), 6X25F(12-6 F-6-1), 8X19S(9-9-1) and 8X25F(12-6 F-6-1), single tensile grade ropes of 1230, 1420 and 1570, dual tensile grade ropes of 1180/1770, 1370/1779 and 1570/1770 with core of fibre only for sizes ranging from 6 mm to 12/20 mm and with core of fibre and steel for sizes ranging from 8 mm to 20 mm are covered in the standard. Tolerances on sizes, minimum breaking load, requirements of core, joints, mass, galvanizing and tensile grade are specified in the standard.