1 Bead Wire Definition

1.1.1 Diameter

The arithmetic average of the maximum and minimum thickness of the wire measured in the same place and expressed in millimetres

1.1.2 Breaking force

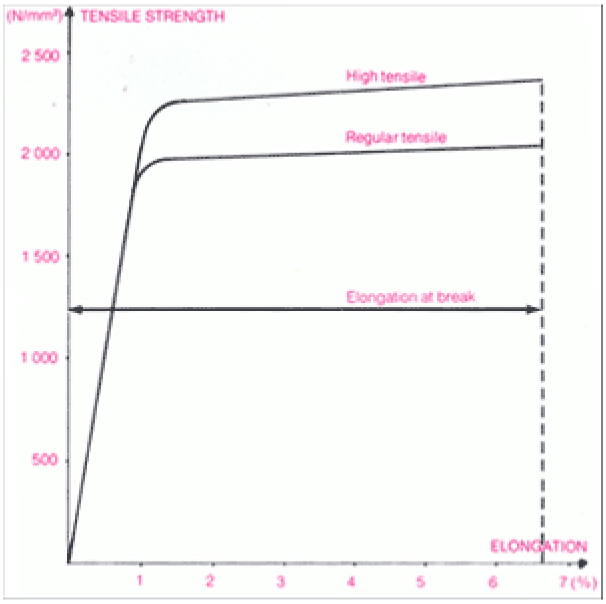
The maximum force which a test specimen can support during a tensile test of loading to break, expressed in Newton.

1.1.3 Tensile strength

The breaking load or force of a wire per unit of cross-sectional area of the unstrained specimen, expressed in Newton per square millimetre or Megapascal.

1.1.4 Elongation at break

The increase in length of a test specimen which results from subjecting it to the breaking force in a tensile test expressed as a percentage of the initial length.



Bekaert can supply:
– round bead wire in regular, high and super tensile quality

1.1.5 Arc Height

Arc Height is the amount (in mm) of bending a bead wire sample has when placed on 2 support points with an interdistance of 620 mm.

1.1.6 Torsions (1)

The number of revolutions made by a specific length of wire when twisted until rupture on its own axis in one direction.

Coating

MASS OF COATING
The quantity of the covering layer applied to the surface of the wire expressed in grams per kg of wire surface.

COMPOSITION
The quantity of each of the components expressed as a percentage of the total mass of the coating.