

**CUT THROUGH TEST FOR ENAMELLED ROUND ALUMINIUM WINDING WIRES  
(BASIS: IS 13730-.. & 13778 – 6 AND IEC 60317-..)**

Nominal Diameter				Load		Specimen Loading	Time for insertion until loading	Individual Specification		
mm		SWG		(g)	(N)			IS 13730 Part 9 Polyester Aluminium Wires	IEC 60317 Part 15 Polyester-Imide Aluminium wires	IEC 60317 Part 25 Polyester-Imide+PAI Aluminium wires
Over	Up to & Incl.	From	Up to & Incl.				(s)	Class 130	Class 180	Class 200
0.02	0.032	-	49	25	0.25	✕	1	240 [*]	Test inappropriate	Under consideration
0.032	0.05	-	48	41	0.4					
0.05	0.08	47	45	71	0.7					
0.08	0.125	44	40	128	1.25					
0.125	0.2	39	36	224	2.2					
0.2	0.315	35	30	224	2.2	✕	1	240 [*]	Test inappropriate	Under consideration
0.315	0.5	29	26	459	4.5					
0.5	0.8	25	22	918	9					
0.8	1	21	20	1836	18					
1	1.25	19	18	1836	18					
1.25	2	17	15	3672	36					
2	5	14	-	7140	71		2			
							3			

Note: [\*] Loads for aluminium wires are under consideration