

FIBRE GLASS COVERED ALUMINIUM WINDING WIRES

Name	Insulation Fibre Glass Winding Wire
Conductor	Aluminium Wire
Insulation Material	Fibre Glass
Insulation Thickness	Single, Double or according to user's requirements.
Standard	IS / IEC
Application	For F-Class and H-Class Motors / Transformers Coils

RECTANGULAR WIRES DIMENSIONS			RECTANGULAR WIRES PROPOERTIES		
Width (mm)	Single Glass Fibre (mm)	Double Glass Fibre (mm)	PROPOERTIES	GRADE 155° Class	GRADE 180° Class
3.15	0.12 - 0.20	0.21 - 0.33	Size	2.5mm T	2.5mm T
3.15 - 6.30	0.14 - 0.22	0.23 - 0.37	Covering	Double	Double
			Elongation	25%	32%
6.30 - 12.50	0.16 - 0.26	0.27 - 0.43	Springness	5°	5.5°
			Flexibility	10 w/T (No Crack)	10 x w/T (No Crack)
12.50 - 16.00	0.18 - 0.30	0.31 - 0.47	Adherence	No Crack	No Crack
			BDV	800 V	900 V

ROUND WIRES DIMENSIONS			ROUND WIRES PROPERTIES		
Width (mm)	Double Covering Overall Dia. Max (mm)	Double Glass Fibre Min. (mm)	PROPOERTIES	GRADE 155° Class	GRADE 180° Class
3.00	3.285	0.200	Covering	Double	Double
3.15	3.435	0.200			
3.35	3.69	0.200	Elongation	25%	25%
3.55	3.89	0.250			
4.00	4.345	0.250	Springness	5.5°	5.5°
4.50	4.845	0.250			
5.00	5.345	0.250	Flexibility	10 x d (No Crack)	10 x d (No Crack)
5.50	5.845	0.250			
6.00	6.345	0.250	Heat Shock	175°C unbent	200°C unbent
6.50	6.845	0.250			
7.00	7.345	0.300	Tackiness	Not Tacky @ 65°C	Not Tacky @ 65°C
7.50	7.845	0.300			
8.00	8.345	0.300	BDV	450 V	450 V