



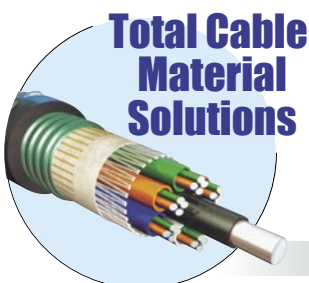
### Product Application

**INDOFLEX™ HS** is a very high strength coated glass roving for optical fiber and copper cables. It is most suited for uni-tube, loose tube & slotted core cables & typically used as peripheral reinforcement in fibre optic cables along with FRP Rod & Semi-Rigid FRP Rods. It is introduced over the loose tube and the cable manufactured with it would be lower in diameter, lighter in weight with high degree of flexibility, excellent tensile strength & modulus performance.

### Description

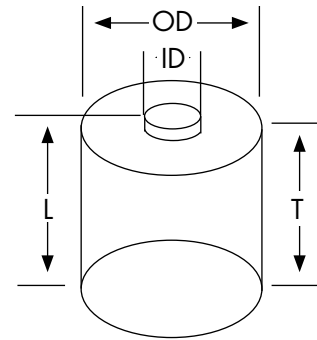
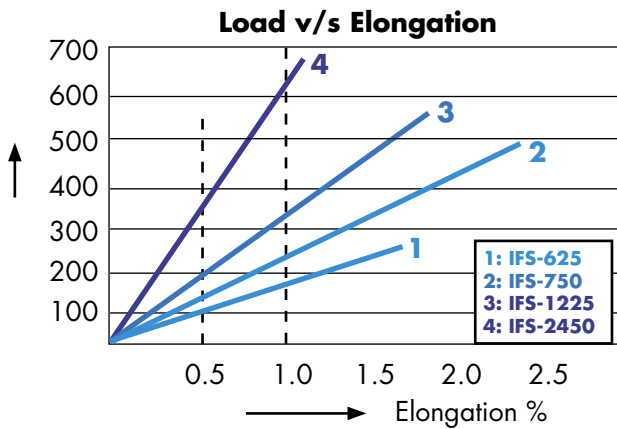
**INDOFLEX™ HS** is manufactured using E-glass fibre with proprietary PU resin systems to produce an innovative, value added reinforcement solution with high degree of softness and strength. It has a special smooth, flexible coating which improves handling and eliminates dust and loose fiber generation during cable production, even at very high speeds, leading to high productivity and ultimate cable strength. The soft fiber spread evenly on the cable core minimize thickness build-up. It comes in variety of coatings, offering good adhesion to materials like PE, PVC, etc. It is available in long continuous lengths for enhanced productivity.

It has a very high strength to weight ratio resulting in light weight cable with utmost ease of handling. It is available in long continuous lengths with tex (gm/Km) ranging from 600 tex to 2400.



## Typical Product Characteristics - Nominal Values

High Strength Grade - HS		IFS-625	IFS-750	IFS-1225	IFS-2450	
Physical Properties	Unit	Value	Value	Value	Value	Test Method
Linear Density, Tex	gm/Km	610	750	1225	2450	ASTM D - 578
Tensile Strength at Break	N	370	450	734	1470	ASTM D - 885
LASE @ 0.5% Elongation	N	81	105	160	313	ASTM D - 885
LASE @ 1.0% Elongation	N	170	224	334	654	ASTM D - 885
Modulus of Elasticity	N/mm <sup>2</sup>	76400	76500	76400	76400	ASTM D - 885
Elongation at Break	%	3.5	3.5	3.5	3.5	ASTM D - 4963-94
Strand Width (Avg.) (Dry)	mm	2.3	2.5	2.8	4.5	ASTM D - 885
Strand Thickness (Dry)	mm	0.15	0.20	0.26	0.36	ASTM D - 885



Packaging	76280				94220				94280			
Outside Diameter (Pkg OD) mm	250				250				250			
Inside Diameter (Tube ID) mm	76				94				94			
Traverse (T) mm	254				204				254			
Tube Length (L) mm*	280				220				280			
Product (As Per TEX)	625	750	1225	2450	625	750	1225	2450	625	750	1225	2450
Max Length per pkg, kms.1	26.6	21.8	13.3	6.65	20	16.4	10.0	5.0	25	20.4	12.5	6.25
Tube Type (Rhino)	Card Board				Card Board				Card Board			
Max Weight per pkg, kgs.1	16.7	16.7	16.7	16.7	12.7	12.7	12.7	12.7	15.7	15.7	15.7	15.7
Carton / Pallet Nos. (Exports)	48				48				48			
Pallet Dimensions L x W x H	1143 x 867 x 127				1143 x 867 x 127				1143 x 867 x 127			
Carton / Pallet Nos. (Domestic)	45				54				45			
Pallet Dimensions L x W x H	915 x 867 x 127				915 x 867 x 127				915 x 867 x 127			

1. Length / weight per pkg may vary.

Note: Other lengths are possible on request. Packing weight upto 20kgs is also possible

Limited Warranty: This product has been tested prior to dispatch and Indore gives warranty that tis free from any manufacturing defects.

However Indore disclaims any liabilities for incidental or consequential damages arising out of breach of this warranty or any implied warranty.

### INDORE COMPOSITE PVT. LTD. [Cable Materials Div.]

#### Corporate & Marketing Office

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#### Manufacturing Sites

**Plant 1:** Pithampur, M.P. - 454775. India.

**Plant 2 :** Umbergaon, GUJ. - 396171. India.