

# Debeglass Guy Wire

## Non-Conductive fireglass filament wire

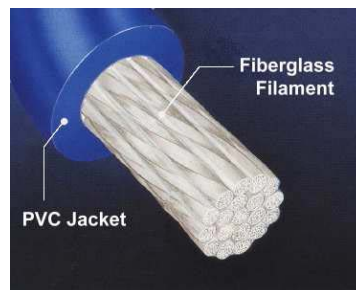


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Debeglass non-conductive guy rope is a multi-strand fibreglass filament rope designed and for high strength, low weight with low corrosion characteristics. Debeglass fibreglass filament rope is suitable for maritime or corrosive fluid environments. Being non-magnetic, RF transparent, electrically insulating and temperature proof to -32° C DEBGLASS is ideal for all locations and applications.

Debeglass non-conductive fibreglass filament guy rope has the flexibility to be used in the following applications:

- Insulated guy ropes for mast/array installations
- Buoy moorings, ship rigging
- Marine structural applications
- Guard rail cabling
- Roof support systems
- Military applications



Order Code	DB-4	DB-5	DB-6	DB-7 - fibreglass rope
Outside diameter	4mm	5mm	6mm	7mm
Weight per metre	20grams	32grams	44grams	52grams
Tensile strength	430kg	560kg	970kg	460kg

Order Code	4mm			5mm		
	Core diameter (mm)	Weight of 200mm length	Tensile strength (kg)	Core diameter (mm)	Weight of 200mm length	Tensile strength (kg)
BPGLOSS wire	2.5	3.9	430	3.0	8.8	970
DEBGLASS wire	2.5	3.9	430	3.0	8.8	970
BPGLOSS rope	1.8	3.8	240	2.3	-	-
Steel wire	2.5	5.6	370	3.15	14.5	850
Polyethylene rope	4.0	1.66	180	5.0	3.71	380
Manilla rope	4	2.35	130	5.0	5.28	380

Order Code	6mm			7mm		
	Core diameter (mm)	Weight of 200mm length	Tensile strength (kg)	Core diameter (mm)	Weight of 200mm length	Tensile strength (kg)
BPGLOSS wire	4.0	8.8	970	-	-	-
DEBGLASS wire	4.0	8.8	970	-	-	-
BPGLOSS rope	-	-	-	2.8	10.4	460
Steel wire	14.5	14.5	850	5.0	22.0	1340
Polyethylene rope	3.71	3.71	380	7.0	5.03	510
Manilla rope	5.28	5.28	280	7.0	-	-

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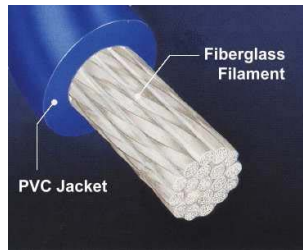
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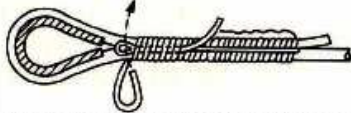
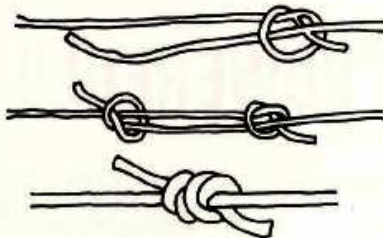
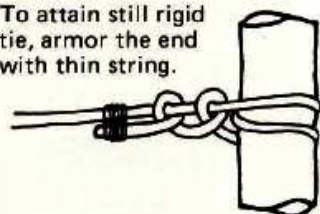

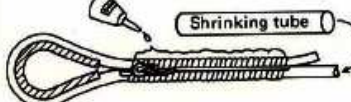
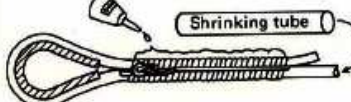

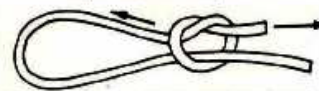



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<b>Cutting method</b>	Can be cut easily with a pruning hook (trimmer). 	<b>Finishing of the ends</b>	<b>(A) Tight-string-winding finish (efficiency: 95 – 100%)</b> 
<b>How to tie.</b>	<b>Englishman's tie</b>  <b>Two-half hitch</b> To attain still rigid tie, armor the end with thin string. 		<b>1) Wind with soft binding wire or fishing-line (thickness: over No.16) tightly for an area of about 7 to 10 cm (length). As illustrated above, make a ring with a string, pass a piece of string through the ring, and pull the string. Then tie the both ends.</b>  <b>2) Coat with vinyl chloride binder. For protection of the string, cover with a shrinking tube or vinyl chloride tape.</b> 
<b>Parts used for the ends</b> ① Thimble ② Shackle ③ Wire-clip ④ Silk-worm gut No.16			<b>(B) Fix with three knotting wire clips (efficiency: 60 – 65%)</b>  <b>1) As illustrated above, make a ring with a short rope to make a knot, and tie strongly.</b>  <b>2) Clamp the wire clip closely to the knotted rope (This is important to prevent slipping.)</b> <b>Caution: Do not use knotted rope to a place with sharp angle.</b>