

Section 9

ANTENNA MOUNTING ACCESSORIES

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DEBEGLASS Non-Conductive Guy Wire



Called **DEBEGLASS**, this unique wire has numerous significant characteristics that make it a clear first choice for guying either Towers, Poles or Masts :

- ✓ Both stronger and lighter than steel wire.
- ✓ Non-conductive and will not interfere with an antenna's radiation pattern.
- ✓ Non-magnetic.
- ✓ Corrosion free and water resistant. Ideal for areas exposed to salt water spray or storms, such as the harsh marine environment.
- ✓ Resistant to UV degradation.
- ✓ Immune to severe icing since ice cannot easily attach to the smooth outer jacket. Normal wind vibrations will cause any ice that might form to fall off.
- ✓ Nearly no elongation over time, unlike steel wire.
- ✓ Much easier to handle and terminate.
- ✓ Maintenance free.

The Debeglass manufacturing process is relatively new technology. High tensile fibreglass yarn is bound into a compact circular cross section. The bound yarn is then sheathed inside a special blue UV stabilised PVC jacket.

There are 6 different diameters of guy wire available ranging from 4 mm up to 12 mm, as shown in the table below.

The tension strength yield of the thinnest 4 mm diameter Debeglass wire is 430 kg, stronger than steel wire of the same diameter and also around 30% lighter.

DEBECLIP terminators are available to suit each different diameter. Requiring just a screwdriver and spanner, terminating guy wire in the field has never been easier !

Alternatively, other non-debeglass brand terminators can still be used.

For guying masts, ZCG Scalar can assemble a complete **DEBEGLASS GUY KIT** to suit the particular mast involved.

Contact us for further details.



ORDER CODES :	DB-4	DB-5	DB-6	DB-8	DB-10	DB-12
Outside Diameter	4 mm	5 mm	6 mm	8 mm	10 mm	12 mm
Core Diameter	2.5 mm	3 mm	4 mm	6 mm	8 mm	10 mm
Weight per Metre	20 grams	32 grams	44 grams	75 grams	110 grams	160 grams
Tensile Strength Yield	430 kg	620 kg	970 kg	1,710 kg	2,470 kg	3,420 kg