

Typical design for halyard suspended strain insulator for G5RV or inverted "V" for coaxial cable centre-feed or for use with long-wire dipole open-wire/ladder-line feed etc.

Terminal-Lugs:

For RG-213 (and similar) use:  
3mm Blue Crimp-Ring Lug on centre-conductor  
3mm Yellow Crimp-Ring-Lug on braid

Note - subject to removal of the insulator crimp lugs may be soldered to cable.

1 chamfered hole 12mm dia or size to suit halyard or Parafil fixing etc.

2 chamfered holes 10mm dia or to suit diameter of antenna cable.

External edges radiused to eliminate abrasion of the antenna-wires and halyard.

4 holes 4mm dia for M4 stainless studs or to suit diameter metal screws.  
Note - only 2 selected to suit best arrangement of the 4mm ring logs crimped or soldered to the RG-213/RG-214/RG-8/UR-67 feed coax

Outer braid of RG-213/RG-214/RG-8/UR-67 feed coax covered with suitable coated HS sleeving.

8 holes 4mm dia or to suit cable ties or plastic screws fastening a saddle-clamp.

Vertical saw-cut slit, at width of cable including HS sleeving, may be made such that the cable lies clamped between the fibre-glass when the cable-ties are tightened to optimum tension.

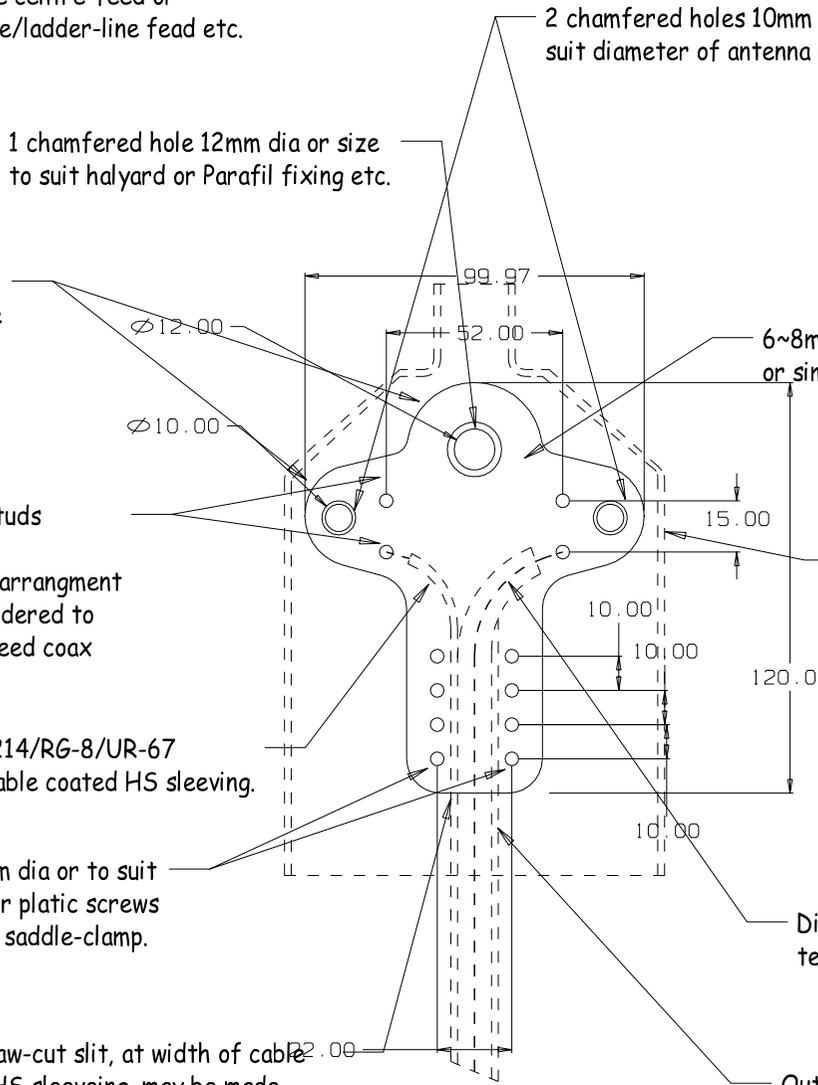
6~8mm thick fibre-glass (PCB grade) or similar high-dielectric insulating sheet.

Optional shroud (plastic bottle etc.) with drilled side holes with grommet for antenna wire and vertical slits to facilitate threading the wire/grommet assembly and shroud into correct position.

NOTE - the bottle may possibly be flattened to make a loose slide fit and the cap may be arranged to seal against the the halyard.

Dielectric of RG-213/RG-214/RG-8/UR-67 terminated with suitable 4mm crimp or solder ring lug.

Outer jacket of RG-213/RG-214/RG-8/UR-67 feed coax covered with suitable coated HS sleeving.



MATERIAL	Fibre-Glass Epoxy etc.
ALLOY	6~8mm GRE
EST. AREA	xxx mm
EST. WEIGHT	xxx kg/m
EST. PERIPHERY	EXT: 354 mm
	TOT: 354 mm
TOLERANCE	0.00mm ±0.1mm 00.0mm ±0.25mm 0000mm ±0.5mm 0-500mm ±0.1mm > 500mm ±0.5mm
BS1474:1987	APPLIES UNLESS OTHERWISE SPECIFIED
JOB No.	XXXX

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CUSTOMER : CASA Modular Systems			
DESCRIPTION : Insulator- for G5RV Inverted "V"			
DRAWN : A.W.D	DATE : 22/01/10	APPROVED : ?	DWG. SCALE : 1:1

SIZE	DRAWING Reference No.	ISSUE
A4	G5RV-INS	A
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