



## BFB1

### Ground independent tunable fibreglass whip VHF mid band 70-85 MHz



The BFB1 is specifically designed and manufactured for VHF low band with the purpose to be field tuned to required frequency once installed either on your vehicle or structure.

The BFB1 does not come with a cable assembly, please order a specific cable assembly to suit your requirements.

Mounting hardware, adaptors, connectors and other installation accessories are all available separately.

Construction	Stainless steel whip, white fibreglass radome and grey PVC mount base with external termination
Frequency range	70-85 MHz - VHF mid band
Bandwidth	Any 1 MHz - see tuning
Tuning	Field tune the stainless steel tip using SWR meter
VSWR	<1.5:1 across bandwidth
Gain	2.1 dBi
Maximum power	100 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional
Connector	N-type female in side of ferrule - no cable
Height	1.83 metres
Weight	500grams
Projected area	0.016
Wind load at 160kph	0.019kN, 1.915kg
Mounting hardware order separate	Bullbar: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B Bracket Mounting: GM1, GM2, GM6 or A-6211 Spring Base: 1269 or 1270
Mounting position recommended	As high on your vehicle/structure as possible using a minimum 13mm hole or appropriate bracket with a 13mm hole
Installation tools required	21mm or 13/16" spanner for base securing 2.5mm hex allen key for top whip securing



N-type female in side of mount ferrule

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#### Recommended installation accessories

 <p>BBM-SS - wrap around bull bar mount, up to 50mm diameter bull bar tube</p> <p>16mm mount hole</p> <p>Requires 10mm spanner</p>	 <p>BBML-SS - wrap around extra large bull bar mount, up to 65mm diameter bull bar tube</p> <p>16mm mount hole</p> <p>Requires 10mm spanner</p>
 <p>BBMXL-SS - wrap around extra large bull bar mount, up to 76mm diameter bull bar tube</p> <p>16mm mount hole</p> <p>Requires 10mm spanner</p>	 <p>BBKB-B - Knock-down antenna mount, powder coated black</p> <p>16mm mount hole with 5.5mm cable hole</p>
 <p>ATLM series - Adjustable bonnet, boot and door jam mount. 360 rotational and 140 degree adjustment</p> <p>16mm mount hole</p> <p>Black or Chrome</p> <p>Includes 5mm and 2mm allen keys</p>	 <p><u>Alternate Spring base</u></p> <p>A-1270 - Parallel heavy-duty mount spring, includes base mount bolt</p> <p>Requires 19mm spanner</p>
 <p><u>Alternate Spring base</u></p> <p>A-1269-14 - 'Barrel' stainless steel spring base with 50mm base extension. Suitable for behind bull bar mounting or wing mirror bracket mounting</p> <p>Requires 19mm spanner</p>	 <p><u>Alternate Spring base</u></p> <p>A-1269-12 - 'Barrel' stainless steel spring base with threaded stud and split nut</p> <p>Requires 19mm spanner</p>

#### Suitable coaxial cable and connectors

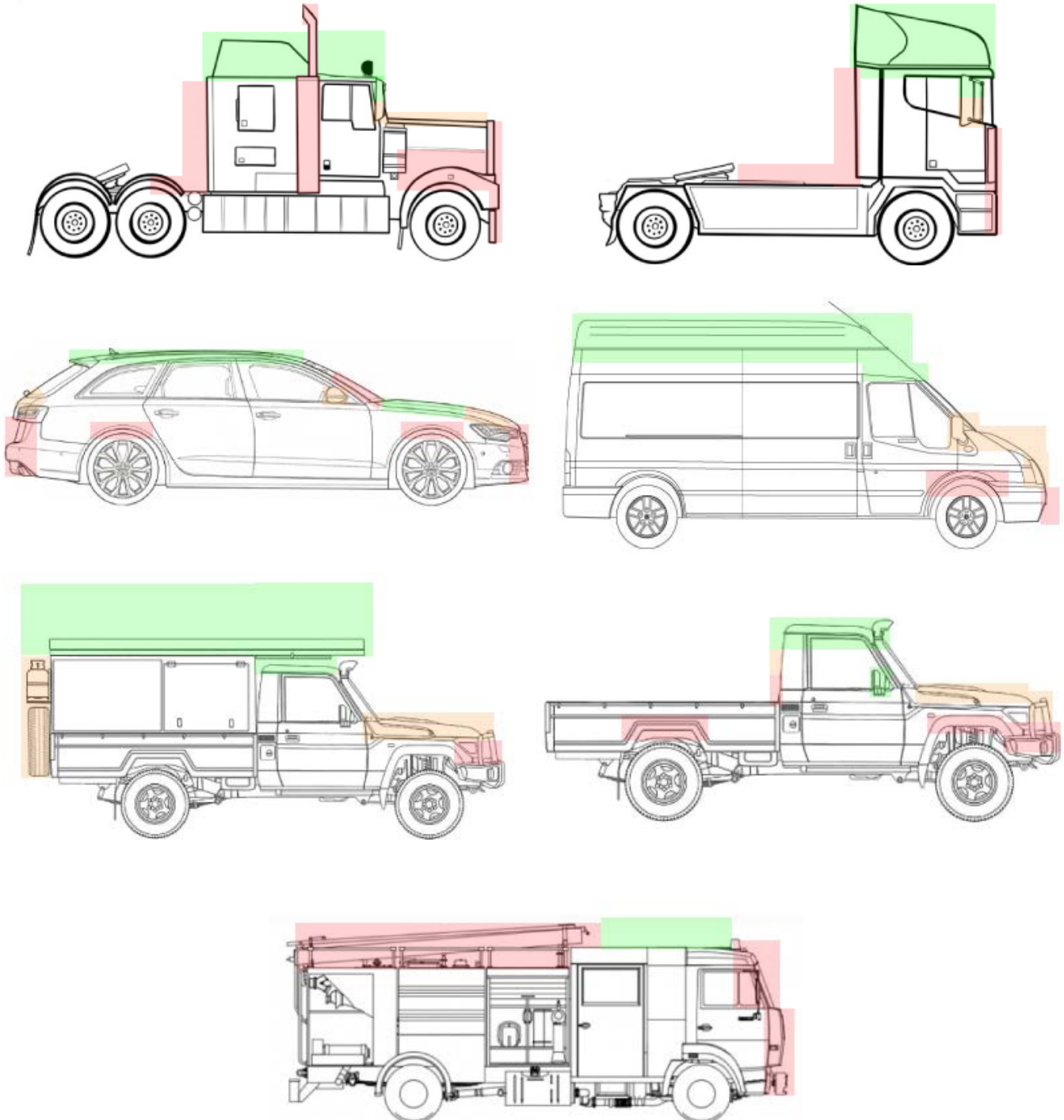
 <p>MIL-SPEC RG58 low loss, solid copper conductor, foam PE dielectric coaxial cable</p> <p>P/N 7839</p> <p>Available in 100m, 300m roll or alternatively request a custom cable assembly</p>	 <p>P/N 7933-3</p> <p>N-type male crimp connector for RG58 coaxial cable</p> <p>Tri-metal plated</p>
 <p>RU240-UF low loss, ultra flexible, stranded core, solid PE dielectric coaxial cable</p> <p>P/N 7876-2</p> <p>LMR240-UF equivalent - Times Microwave</p> <p>Available in per metre, 500m roll or alternatively request a custom cable assembly</p>	 <p>P/N 7987</p> <p>N-type male crimp connector for RU240-UF ultra flexible, stranded core coaxial cable</p> <p>Nickel plated</p>




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Vehicle Mounting locations



-  Best/Recommended location for mounting
-  Suitable mounting locations
-  Not suitable mounting locations