



## SB142

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SB142 www.giatech.eu/wp-content/uploads/2014/07/SB-75.jpg

Harbour's SB coaxial cables have been designed for low attenuation at high frequencies, while using similar dimensions to MIL-DTL-17 constructions. Standard connectors may frequently be used, thereby avoiding tooling charges. Solid PTFE dielectrics are manufactured with tight tolerances to ensure impedance uniformity and to effect VSWR levels that meet or exceed MIL-DTL-17 specifications for cables of comparable size. The strip braid configuration is by far the most effective means of lowering attenuation levels of coaxial cable at high frequencies while providing shielding effectiveness levels that exceed those of flexible MIL-DTL-17 cables. Flat strips of silver plated copper are braided over the dielectric core, frequently with an intermediate metallized mylar or polyimide layer, and an outer round wire braid. This shielding technique provides superior shielding effectiveness and lower transfer impedance than any standard double braided mil-spec construction. FEP jackets are typically used, but alternate designs are available to special order. These cables may incorporate flame retardant PVC and abrasion resistant overall braids. Marker tapes or surface printing are used for positive identification.

## Technical Specification

Stranding (metric)	1/0.94
Stranding (awg)	1/0.037
Conductor Material	Silver Plated Copper Weld
Conductor Diameter Min (mm)	0.94
Conductor Diameter Min (in)	0.037
Insulation Material	PTFE
Diameter over insulation - Min. (mm)	2.97
Diameter over insulation - Min. Inch	0.117
Number of cores	1
1st Shield material	Flat Silver Plated Copper Braid
1st shield Diameter (mm)	0.42
1st shield Diameter (in)	0.128
2nd Shield material	Aluminium Polyester Tape
2nd shield Diameter (mm)	3.38
2nd shield Diameter (in)	0.133
3rd Shield material	Round Silver Plated Copper Braid
3rd shield Diameter (in)	3.86
3rd shield Diameter (mm)	0.152
Jacket Material	FEP
Jacket diameter (mm)	4.95
Jacket diameter (in)	0.195
Minimum Temperature °C	-55
Maximum Temperature °C	200
Weight (kg/km)	59.65
Weight (lbs/kft)	40

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For technical assistance or to order this product please contact Giatech on:  
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