



SB316

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SB316 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)	7/0.17
Stranding (awg)	7/0.0067
Conductor Material	Silver Plated Copper Weld
Conductor Diameter Min (mm)	0.51
Conductor Diameter Min (in)	0.020
Insulation Material	PTFE
Diameter over insulation - Min. (mm)	1.52
Diameter over insulation - Min. Inch	0.060
Number of cores	1
1st Shield material	Flat Silver Plated Copper Braid
1st shield Diameter (mm)	1.63
1st shield Diameter (in)	0.067
2nd Shield material	Aluminium Polyester Tape
2nd shield Diameter (mm)	1.83
2nd shield Diameter (in)	0.072
3rd Shield material	Round Silver Plated Copper Braid
3rd shield Diameter (in)	2.24
3rd shield Diameter (mm)	0.088
Jacket Material	FEP
Jacket diameter (mm)	2.49
Jacket diameter (in)	0.098
Minimum Temperature °C	-55
Maximum Temperature °C	200
Weight (kg/km)	17.90
Weight (lbs/kft)	12

For technical assistance or to order this product please contact Giatech on:
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Therefore, before ordering this product, please contact us to check you have the latest specifications for this product.

Giatech offers in excess of 300 specialist standard products for applications in Airframe, Airborne Data, Mil Spec, Hookup / Equipment Wire, RF / Coaxial, Telecomms / Data and Aerospace Special Application. We also provide a Custom Cable Design service for your unique applications.

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