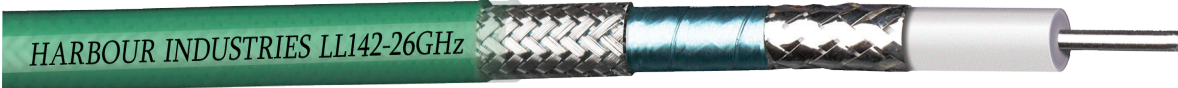


# HF HIGH FREQUENCY COAX

LL, LLS, SB, and SS cables with guaranteed attenuation and VSWR performance up to 40 GHz

## LL Low Loss and LLS - 26 GHz and 40 GHz



Center Conductor: Solid silver plated copper  
Dielectric: Expanded PTFE tape  
Inner Braid: Flat silver plated copper strip  
Interlayer: Aluminum polyester tape  
Outer Braid: Round silver plated copper  
Jacket: Translucent FEP

Operating temperature -55 +200° C  
Velocity of Propagation 80%-83%  
Impedance 50 Ohms  
Capacitance 25.0 pF/ft  
Shielding Effectiveness <-95 dB

## SB Strip Braid - 26 GHz



Center Conductor: Silver copper clad steel  
Dielectric: Solid PTFE  
Inner braid: Flat silver plated copper strip  
Interlayer: Aluminum polyester tape  
Outer braid: Round silver plated copper  
Jacket: Clear FEP

Operating temperature: -55 +200° C  
Velocity of Propagation: 70%  
Impedance: 50 Ohms  
Capacitance: 29.4 pF/ft  
Shielding Effectiveness: <-95 dB

## SS Rock SStable® - 31 GHz and 40 GHz



Center conductor: Solid silver plated copper clad steel  
Dielectric: Solid PTFE  
Inner shield: Spiral strip of silver plated copper  
Outer braid: Round silver plated copper  
Jacket: Solid blue FEP

Operating temperature: -55 +200° C  
Velocity of Propagation: 70%  
Impedance: 50 Ohms  
Capacitance: 29.4 pF/ft  
Shielding Effectiveness: <-110 dB

# HF HIGH FREQUENCY COAX

LL, LLS, SB, and SS cables with guaranteed attenuation and VSWR performance up to 40 GHz

	LL142-26GHz	LLS160-40GHz	SB142-26GHz	SS402-31GHz	SS405-40GHz
Center conductor diameter	.051"	.0403"	.037"	.037"	.0201"
Dielectric diameter	.145"	.110"	.117"	.117"	.064"
Diameter over inner braid	.152"	.116"	.127"	.125"	.071"
Diameter over interlayer	.158"	.122"	.133"	---	---
Diameter over outer braid	.178"	.140"	.153"	.138"	.084"
Overall diameter	.195"	.160"	.175"	.163"	.104"
Weight(lbs/mft)	44	28	34.5	32	14
Bend radius	1.0"	0.8"	0.9"	0.8"	0.5"
Attenuation (dB/100ft) @	<b>Typ</b>	<b>Typ</b>	<b>Typ</b>	<b>Typ</b>	<b>Typ</b>
400 MHz	4.7	6.3	6.8	6.4	11.9
1 GHz	7.5	10.0	11.1	10.5	19.2
2 GHz	10.7	14.3	16.3	15.5	27.7
2.4 GHz	11.7	15.7	18.0	17.2	30.6
3 GHz	13.2	17.7	20.4	19.5	34.5
5 GHz	17.2	23.1	27.3	26.3	45.7
10 GHz	24.9	33.4	41.1	40.1	67.5
18 GHz	34.2	46.0	59.1	58.3	95.1
26 GHz	41.9	56.3	74.8	74.4	118.6
31 GHz	---	62.2	---	83.9	132.1
40 GHz	---	71.8	---	---	154.8
<b>Guaranteed VSWR Performance</b>	<b>26 GHz</b>	<b>40 GHz</b>	<b>26 GHz</b>	<b>31 GHz</b>	<b>40 GHz</b>

# HF HIGH FREQUENCY COAX

LL, LLS, SB, and SS cables with guaranteed attenuation and VSWR performance up to 40 GHz

Precision connectors designed specifically to mate with Harbour's HF High Frequency

	LL142-26GHz	LLS160-40GHz	SB142-26GHz	SS402-31GHz	SS405-40GHz
2.4mm Plug					*
2.4mm Jack					*
2.4mm Bulkhead Jack					*
2.92mm Plug	*	*		*	*
2.92mm Jack				*	*
2.92mm Bulkhead Jack					*
3.5mm Plug				*	*
3.5mm Jack				*	
3.5mm Bulkhead Jack				*	
SMA Plug	*	*	*	*	*
SMA Jack	*				*
SMA Bulkhead Jack	*	*			
SMA Right Angle Plug	*	*		*	
SSMA Plug				*	*
SSMA Bulkhead Jack					*
TNCA Plug	*	*			
TNCA Bulkhead Jack	*	*			
TNCA Right Angle Plug	*	*			
N Plug	*	*	*	*	
N Bulkhead Jack	*	*			
N R/A Plug	*	*			

