

**Alternatives:**

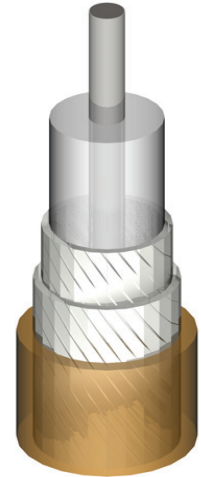
RG 142 (M):  
**30000-142-00**

Speedflex 142 (LS0H):  
**34000-142-00**

Alternative colours also available

**Construction:**

Conductor	Silver plated copper (1x0,94)	0,94
Dielectric	Solid PTFE	2,95
Braid	2x Silver plated copper (0,13)	4,15
Jacket	FEP, Brown-transparent	4,80
Weight	80 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	<b>30000-142-50</b>	



**Notes:**

All dimensions nominal (± 4%) unless otherwise stated.  
All dimensions in mm.

**Electrical:**

Impedance	50 ± 2 Ohms
Capacitance	94 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Working voltage, AC r.m.s.	1400 max
Working voltage, DC	2800 max
Attenuation, typical values (nominal values at an air temperature of +20°C)	see table
Power, typical values (ambient temperature of 40°C at sea level and VSWR 1.0)	see table
Suitable for frequencies	up to 2,5 GHz
Shielding effectiveness	typically -80 dB/m

Attenuation	
MHz	dB/100m
100	13
200	18
400	26
900	40
1200	46
1500	52
1800	57
2000	61
2500	69

**Environmental & Mechanical:**

Minimum bend radius (MBR) single bend (installation)	single bend: 25mm
Minimum bend radius (MBR) dynamic use	multiple bends: 50mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	1300
200	919
400	650
900	433
1200	375
1500	336
1800	307
2000	291
2500	260

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice. These products are manufactured generally in accordance with the Mil Spec. in terms of design parameters and performance. Habia are not qualified to release product to the appropriate QPL.

Ref: CC-eRG142-03  
Date: 2007-08-08  
Approved by: 