

**Alternatives:**

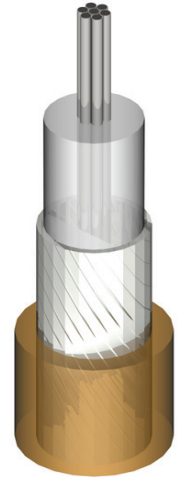
RG 316 (M):  
**30000-316-01**

Speedflex 316 (LS0H):  
**34000-316-00**

Alternative colours also available

**Construction:**

Conductor	Silver plated copper (7x0,18)	0,54
Dielectric	Solid PTFE	1,56
Braid	Silver plated copper (0,10)	2,00
Jacket	FEP, Brown-transparent	2,45
Weight	15 kg/km	
Temperature rating (°C)	-55 / +200°C	
Order reference	<b>30000-316-50</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.	900 max
Working voltage, DC	1800 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 -60 dB/m

Attenuation	
MHz	dB/100m
100	27
200	38
400	54
900	82
1200	95
1500	106
1800	117
2000	124
2500	139

**Environmental & Mechanical:**

Minimum bend radius (MBR) single bend (installation)	single bend: 15mm
Minimum bend radius (MBR) dynamic use	multiple bends: 30mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Average Power	
MHz	W
100	340
200	240
400	170
900	113
1200	98
1500	88
1800	80
2000	76
2500	68

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-eRG316-06  
 Date: 2007-12-20  
 Approved by: 