

RG 316 /U

50 Ohm Coaxial Cable

Construction:

Alternatives:

Acc. to M17/138-00001
PFA jacket
Specified SRL limits

Acc. to M17/113-RG 316
FEP jacket (Transparent)
Specified SRL limits

Speedflex 316

Low Smoke Zero Halogen

Alternative jacket colours
also available

Construction:

		Ø (mm)
Conductor	Silver plated copper covered steel (7x0,17)	0,51
Dielectric	Solid PTFE	1,52
Braid	Silver plated copper (0,10)	2,05
Jacket	FEP, White	2,50
Weight		15 kg/km



Technical Data:

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.)	1000 max
Working voltage (DC)	2000 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 <- 130 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: 15mm
Minimum bend radius (MBR)	multiple bends: 30mm
Operating temperature (°C)	-55 / +200
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.