

RG 178 B/U


50 Ohm Coaxial Cable

Alternatives:

Acc. to M17/93-00001
PFA jacket
No change to performance

Acc. to M17/93-RG 178
No change to construction
Specified SRL limits

Alternative colours also available

Ref: CC-eRG178-05
Date: 2006-08-07
Approved by: 

Construction:

		Ø (mm)
Conductor	Silver plated copper covered steel (7x0,10)	0,30
Dielectric	Solid PTFE	0,84
Braid	Silver plated copper (0,10)	1,37
Jacket	FEP, Brown-transparent	1,80
Weight		7,8 kg/km
Operating temperature		-55 / +200°C
Order reference		30000-178-00



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.	500 max
Working voltage, DC	1000 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

Environmental & Mechanical:

Minimum bend radius (MBR) single bend (installation)	single bend: 10mm
Minimum bend radius (MBR) dynamic use	multiple bends: 20mm
Flame resistance	passes IEC 60332-3-24
Flammability	passes UL 94 V-0
Connectors	compatible with all standard types

Attenuation:

(MHz)	(dB/100m)
100	46
200	65
400	93
900	140
1200	162
1500	182
1800	200
2000	211
2500	236

Average Power:

(MHz)	W
100	150
200	106
400	75
900	50
1200	43
1500	39
1800	35
2000	34
2500	30

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.