

# RG - STANDARD SERIES

**Braid massive copper**

**RoHS / REACH  
KONFORM**

**In the style of  
MIL-C-17**

**Heat proof**



	RG 178 B/U	RG 316 B/U	RG 142 B/U	RG 179 B/U
<b>Construction</b>				
Inner conductor copperweld silvered	7x0.102mm	7x 0.17 mm	1 x 0,94 mm	7 x 0,10 mm
Insulation	0.84 mm PTFE	1.52 mm PTFE	2,95 mm PTFE	1.55 mm PTFE
Outer Conductor				
a)	Copper braid silvered	Copper braid silvered	Copper braid silvered	Copper braid silvered
b)				
c)				
Jacket +/- 0,2 mm	1,8 mm FEP brown	2,49 mm FEP brown	4,95 mm FEP brown	2,5 mm FEP brown
<b>Electrical properties</b>				
Characteristic impedance ( $\Omega$ )	50 +/--3	50 +/--3	50 +/-- 3	75 +/--3
Capacity (pF/m)	94	91	94	102
Velocity (v/c)	0,70	0,70	0,70	0,70
Attenuation at 20°C (dB 100m)				
1 MHz				3,0
5 MHz				10,0
10 MHz				12,0
20 MHz				
50 MHz	38,0	19,2		15,0
100 MHz	52,5	28,7		21,0
200 MHz	65,3			
300 MHz	81,0			41,0
500 MHz	120,7		35,2	58,0
800 MHz				78,0
1000 MHz	170,0	104,8		90,0
1500 MHz				
2250 MHz				
3000 MHz	308,0	209,2		
Shield dampening (dB) bis 1 GHz	>	>	>	>
DC resistance (Ohm/km)				
Inner conductor	784	270		784
Outer conductor	76	40		56
Operating voltage (max. V)				
In the style of:	MIL-C-17	MIL-C-17	MIL-C-17	MIL-C-17
<b>Mechanical properties</b>				
Minimum bending radius (mm)	10	15		10
Temperature range	-50 C° till + 200 C°	-50 C° till + 200 C°	-50 C° till + 200 C°	-50 C° till + 200 C°
Cable weight (kg/km)	+/- 9,3	+/- 18,1	+/- 83,3	+/- 15
Copper weight (kg/km)	+/- 4,7	+/- 8,8	+/- 47,0	+/- 7,8
Suitable connectors				