

**RG - Cables acc. to American Military-Specification
MIL-C-17F and MIL-C-17G
RG178 B/U**



Construction

		5YC6Y
		0.31Ls/0.84s Staku
		RG178 B/U
Inner conductor		Stranded copperclad steel wires, silver coated 7 x 0.102
	mm	0.31 ± 0.01
Insulation		PTFE
	mm	0.84 ± 0.05
Outer conductor		
Copper braid		Silver coated, 96% optical coverage
Sheath		FEP
	mm	1.80 ± 0.10

Technical data

Product code	Designation	Type	Brand name	Outer diameter mm	Weight approx. kg/km	Standard delivery length m	Drum size *PWD/ring	Gross weight kg	Copper content	Tensile force N
CK2604100	5YC6Y	0.31Ls/0.824 Staku	M17/93-RG178	1.80	9.0	1000	300/150/160	11	4.2	23

*PWD (plywood drum)

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Electrical properties

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DC resistance inner conductor	Ω/km	≤ 800
Characteristic impedance	Ω	50 ± 2
Mutual capacitance	pF/m	96
Velocity ratio	%	70
Attenuation at		
100 MHz	dB/100m	46
200 MHz		62
400 MHz		92
1000 MHz		151
Maximum Power rating at (ambient + 40°C)		
100 MHz	Watts	240
200 MHz		180
400 MHz		120
1000 MHz		75
Operating RF voltage	kV	1.0
Test voltage		
Inner-/outer conductor	kV_{rms}	2

Mechanical properties

Operating temperature	- 70°C to 200°C
Minimum bending radius (during installation)	
without load	5 x outer diameter
with load	10 x outer diameter

All further requirements acc. to MIL-C-17F respectively MIL-C-17G