

**RG - Cables acc. to American Military-Specification  
MIL-C-17F and MIL-C-17G  
RG316 U**



### Construction

		5YC6Y
		0.51Ls/1.52s Staku
		RG316 U
Inner conductor		Stranded copperclad steel wires, silver coated 7 x 0.17
	mm	0.51 ± 0.01
Insulation		PTFE
	mm	1.52 ± 0.05
Outer conductor		
Copper braid		Silver coated, 95% optical coverage
Sheath		FEP
	mm	2.49 ± 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
CK2604600	5YC6Y	0.51Ls/1.52s Staku	M17/113-RG316	2.50	16.0	1000	300/150/160	18	7.2	50

\*PWD (plywood drum)

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**Electrical properties**

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DC resistance inner conductor	$\Omega/\text{km}$	$\leq 275$
Characteristic impedance	$\Omega$	$50 \pm 2$
Mutual capacitance	$\text{pF}/\text{m}$	96
Velocity ratio	%	70
Attenuation at		
100 MHz	dB/100m	37
200 MHz		47
400 MHz		55
1000 MHz		102
Maximum Power rating at (ambient + 40°C)		
100 MHz	Watts	400
200 MHz		325
400 MHz		275
1000 MHz		150
Operating RF voltage	kV	1.2
Test voltage		
Inner-/outer conductor	$\text{kV}_{\text{rms}}$	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**