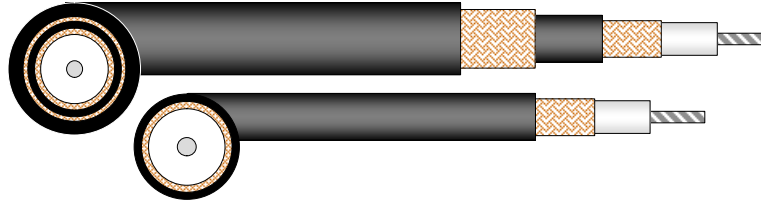


RG11

RG-Cables acc. to MIL-C-17F and MIL-C-17G



Application

Standards

acc. to MIL-C-17F and MIL-C-17G

Flame resistance

acc. to IEC 60332-1

Construction RG11 2YCY 1.2Lz/7.25

Inner conductor	stranded copper wires, tinned, diameter 7 x 0.39
Insulation	PE, diameter 7.25 ± 0.05 mm
Braid	bare copper wires, 96% optical coverage
Sheath	PVC, diameter 10.1 ± 0.2 mm

Construction RG11 + 2nd braid 2YCYCY 1.2Lz/7.25

Inner conductor	stranded copper wires, tinned, 7 x 0.39 mm, diameter 1.17
Insulation	PE, diameter 7.25 ± 0.05 mm
1 st braid	bare copper wires, 96% optical coverage
1 st sheath	PVC, diameter 10.1 ± 0.2 mm
2 nd braid	bare copper wires, 93.5% optical coverage
2 nd sheath	PVC, diameter 13.5 ± 0.5 mm

Mechanical properties

Minimum bending radius	without load	5 x outer diameter
	with load	10 x outer diameter
Temperature	during operation	-40° C to + 85° C
	during installation	-15° C to + 55° C

RG11

Electrical properties

at 20°C

DC resistance	Inner conductor	21 Ω /km
	1 st braid	4.0 Ω /km
	2nd braid (only RG11 + 2nd braid)	3.6 Ω /km
Mutual capacitance		67 nF/m
Characteristic impedance		75 $\Omega \pm 3 \Omega$
Velocity ratio		66 %
Operating voltage		≤ 3.6 kV _{rms}
Test voltage	Inner/Outer conductor	7.6 kV _{rms}
	Between braids (only RG11 + 2nd braid)	2.0 kV _{rms}

Electrical data

at 20°C

Frequency (MHz)	Attenuation (dB/100m)	Max. power rating (Watts) (ambient temperature 25°C and max. inner conductor temperature 70°C)
10	1.8	2800
100	6.5	810
200	9.8	450
400	14.1	370
800	22.5	130
1000	25.2	110

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

Technical data

Product code	Designation	Type	Brand name	Outer diameter	Weight	Standard delivery length	Drum size	Gross weight	Copper content	Tensile force
				mm	kg/km	m	*PWD/**OWD	kg		N
1002715	2YCY	1.2Lz/7.25	M17/6-RG11	10.1	135.2	1000	*760/360/420	147	62.6	345
1002707	2YCYCY	1.2Lz/7.25 (+ 2nd braid)	M17/6-RG11 (+ 2 nd braid)	13.5	270	1000	**1000/500/560	324	139.9	765

*PWD (Plywood drum)

**OWD (One way drum)