RG-58 C/U

Application

Coaxial radio-frequency cables are intended for single stationary laying in antenna paths of radio communication systems. The design is similar to RG-58 type. Cables can be used with connectors of types BNC, TNC, N, FME, SMA, SMB and UHF. Operated indoors and outdoors, if protected from solar radiation and precipitation.

Cable design

1. Conductor: tinned copper wire 0.9 mm
2. Insulation: PE.
3. Shield Material: tinned copper braid
4. Sheath: PVC

Installation and operation conditions

Temp Rating:
- Non-UL Temp Rating: -10 °C ... +50 °C;
- Operating Temp Range: -20 °C ... +60 °C.

Min Bend Radius: ≥ 5

Standards

Main technical and mechanical characteristics

Impedance, Ohm	**50 ± 2**
Capacitance, pF/m	100
Power Rating 1000 MHz, Вт	200
Wavelength shortening factor	1,51
Insulation resistance at 20 °C, not less, MOhm / km	5000

Resistance of inner / outer conductors to direct current at 20 °C, no more, Ohm / km	35,6/ 18,1
Transfer impedance, MOhm / km	200
Insulation test voltage frequency 50 Hz, kV	3
High frequency (nominal/typical), dB/100m	
10 MHz	5,0
100 MHz	17,9
1 GHz	75,1

Nomenclature and mass-dimensional characteristics

Cable brand	**Outside diameter, mm**	**Weight, kg/km**
RG-58 C/U	4,95	39,1