



RG 59 B/U

RG coaxial cables are used as transmission lines for RF signals in commercial electronics. RG 59 B/U is mainly used for transmission of video signals in analogue CCTV systems. PVC or PE or HFFR versions available.

1. CONSTRUCTION

Inner Conductor	Φ 0,59mm copper covered steel 40%
Insulation	Φ 3,70mm Solid PE
Outer Conductor	Bare copper braid 16 x 7 x Φ 0.16mm 94,5% braid coverage
Outer Sheath	Φ 6,15mm PVC black / PE black / HFFR black

2. ELECTRICAL CHARACTERISTICS

Impedance	75 +/-3 Ohm
Capacitance	67 pF/m
Velocity ratio (v/c)	0,66
Sheath Spark Test	4 KV
Transfer Impedance Zt 5-30 MHz	
Screening Attenuation As 30-1000 MHz As 1000-2000 MHz As 2000-3000 MHz	
Screening Class	

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2. ELECTRICAL CHARACTERISTICS (cont.)

DC Resistance	
inner conductor	162,0 Ohm/km
outer conductor	8,0 Ohm/km

Structural Return Loss	
5 - 30 MHz	>26 dB
30 - 470 MHz	>26 dB
470 - 1000 MHz	>23 dB
1000 - 2000 MHz	
2000 - 3000 MHz	

Nom.Attenuation (dB/100m)	
100 MHz	11,00
400 MHz	23,50
800 MHz	34,00
1000 MHz	38,50
1500 MHz	
1750 MHz	
2150 MHz	
2400 MHz	
3000 MHz	

3. MECHANICAL CHARACTERISTICS

Minimum Bending Radius	
for one bend	30 mm
for repeated bending	60 mm

Maximum Tensile Force	150 N
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4. OTHER DATA

Standards	Mil-C-17
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Connectors	
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Standard Packing	5x100m, 1x500m
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