

## Product Datasheet

P/N MRG5903

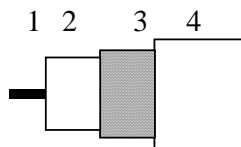
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Rev. 1/ 2005-10-03

## Coax cable

### Min RG59

### Construction & Dimensions



- |   |                 |   |
|---|-----------------|---|
| 1 | Inner conductor | Copper clad steel                           |
| 2 | Dielectric      | Foam PE                                     |
| 3 | Braid           | Bare copper                                 |
| 4 | Sheath          | PVC according the European Standard HD 624. |

1. **Conductor** Innenleiter - Conduttore Interno - Conducteur  
Diameter: 0.64 mm  $\pm$  0.02 mm
2. **Dielectric** Dielektrikum – Dielettrico - Diélectrique  
Diameter: 2.9 mm  $\pm$  0.15 mm
- Outer Conductor** Aussenleiter - Conduttore Esterno - Conducteur extérieur  
Diameter screen: 3.4 mm  $\pm$  0.2 mm  
Coverage braid: 85 %  $\pm$  4 %
4. **Jacket** Aussenmantel – Guaina - Gaine  
Diameter: 4.15 mm  $\pm$  0.2 mm

### Requirements and test methods

#### Electrical characteristics

Mean characteristic impedance: 75  $\pm$  2  $\Omega$

Wellenwiderstand - Impedenza Caratteristica Principale - Impédance nominale

Nominal capacitance conductor to shield: 54 pF/m

Kapazitaet - Capacità Nominale Conduttore/Schermo - Capacité nominale entre conducteur et blindage

Nominal velocity of propagation: 84%

Ausbreitungsgeschwindigkeit - Velocità Nominale di Propagazione - Vitesse de propagation nominale

Nominal Attenuation: Wellendaempfung - Attenuazione Nominale - Affaiblissement

MHz	dB/100m
10	4
200	14
400	20
1000	33
2400	51

Maximum frequency: 1 GHz

Voltage rating :

DC 3.5 kVdc

RMS 2 kVrms

#### Mechanical and physical characteristics

Temperature range - storage/operation -30°C to +70°C

Temperature range - installation -5 °C to + 50°C

Nominal cable weight 30 kg/km

Gewicht - Peso Nominale del Cavo – Poids

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**Ordering information**

P/N	Jacket colour	length	RS P/N
MRG5903.00100	Black	100m	5218076
MRG5903.00500	Black	500m	5218082