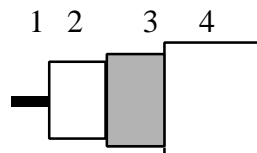


# Datasheet

## Coax cable RG58 C/U

### Construction & Dimensions



- |   |                 |   |
|---|-----------------|---|
| 1 | Inner conductor | Stranded tinned copper                      |
| 2 | Dielectric      | Solid PE                                    |
| 3 | Braid           | Annealed tinned copper                      |
| 4 | Sheath          | PVC according the European Standard HD 624. |

- |    |   |                   |
|----|---|-------------------|
| 1. | <b>Conductor</b> Innenleiter - Conduttore Interno - Conducteur                  |                   |
|    | Diameter:   | 19 x 0.18 mm      |
| 2. | <b>Dielectric</b> Dielektrikum – Dielettrico - Diélectrique                     |                   |
|    | Diameter:   | 2.95 mm ± 0.15 mm |
| 3. | <b>Outer Conductor</b> Aussenleiter - Conduttore Esterno - Conducteur extérieur |                   |
|    | Diameter screen:  | 3.5 mm ± 0.2 mm   |
|    | Coverage braid:   | 93 % ± 4 %        |
| 4. | <b>Jacket</b> Aussenmantel – Guaina - Gaine                                     |                   |
|    | Diameter:   | 4.95 mm ± 0.2 mm  |

### Requirements and test methods

#### Electrical characteristics

- |  |   |
|--|---|
| Mean characteristic impedance:   | 50 ± 2 Ω  |
| Wellenwiderstand - Impedenza Caratteristica Principale - Impédance nominale                        |   |
| Nominal capacitance conductor to shield:   | 100 pF/m  |
| Kapazitaet - Capacità Nominale Conduttore/Schermo - Capacité nominale entre conducteur et blindage |   |
| Nominal velocity of propagation:   | 66%   |
| Ausbreitungsgeschwindigkeit - Velocità Nominale di Propagazione - Vitesse de propagation nominale  |   |
| Nominal Attenuation:   | Wellendaempfung - Attenuazione Nominale - Affaiblissement |

MHz	dB/100m
10	4.5
200	22
400	32
1000	50
2400	79

- |                    |         |
|--------------------|---------|
| Maximum frequency: | 3 GHz   |
| Voltage rating:    |         |
| DC                 | 4 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                     | 40 kg/km        |
| Gewicht - Peso Nominale del Cavo – Poids |                 |