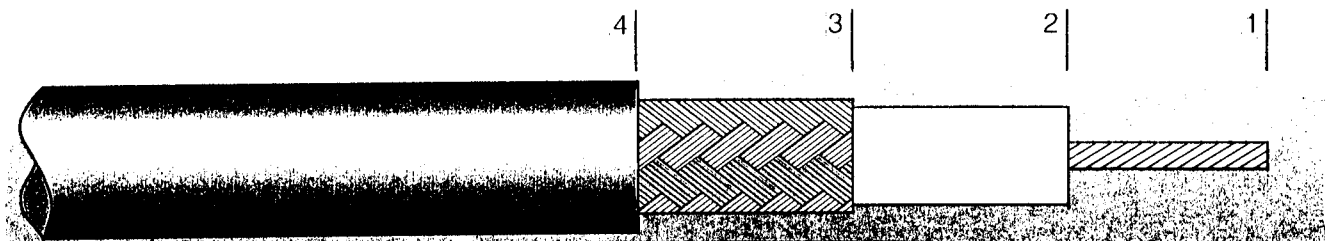


Video and RF Cable

Order code	Manufacturer code	Description
02-0220	n/a	100M REEL RG58C/U RF CABLE

Video and RF Cable	Page 1 of 2
The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003



Geometry/Design

1. Conductor

Copper strand tinned, 19x0,18 mm,
AWG 21/19
Ø 0,9 mm (nominal value)

2. Core Insulation

Polyethylene
Ø 2,95 mm (nominal value)

3. Braiding

Copper strand tinned,
Wire-Ø 0,127 mm (AWG 36)
Optical cover 95 %
Ø 3,5 mm (nominal value)

4. Jacket

Polyvinylchloride (PVC)
Nominal wall thickness 0,75 mm
Ø 4,95 mm (nominal value)

This conductor is available with a migration resistant mixed PVC jacket, Product No. 85 02 0050 A.

Besides this, a version with polyethylene jacket is produced, Product No. 85 02 0590 A.

Electrical Properties

Impedance

$50 \pm 2 \Omega$

Attenuation

nom. 17 dB/100 m at 100 MHz
nom. 23 dB/100 m at 200 MHz
nom. 33 dB/100 m at 400 MHz
nom. 38 dB/100 m at 500 MHz
nom. 55 dB/100 m at 1000 MHz

The progression of the attenuation for the frequency range 100 MHz to 1 GHz can be taken from the diagram.

Propagation Time

approx. 66 % (5,1 ns/m)

Capacity

max. 105 pF/m at 1 kHz

Conductor Resistance at 20 °C

max. 40,7 Ω /km

The electrical values are in accordance with M 17/28 - RG 058.

Thermal Properties

Operating Temperature

-10 °C to +80 °C

Stationary Temperature

-40 °C to +80 °C

Other Information

Conductor Weight

approx. 40 kg/km

We have the license in accordance with UL-Style 1354 60 °C 30 V for this conductor.

Attenuation in dependency on frequency

