



**TELDOR Wires & Cables Eng. Dept.
Cable Design Technical Specification**

Cable Description	TYPE RG-59/U TVF 75 Ohm Coaxial Cable		
Cable P/N	94P0590101		
Date: 15/09/2003	Edition: 1	Eng.: Dov Shaham	

GENERAL CONSTRUCTION:

A 75-Ohm coaxial cable specified for operating frequency of up to 1 GHz. The cable is designed for indoor and outdoor use, having a Black FR PVC jacket.

1. Inner Conductor:

- 1.1. Material: Solid bare copper.
- 1.2. Nominal OD: 0.81 mm (20 AWG.)

2. Dielectric:

- 2.1. Material: foamed polyethylene
- 2.2. Nominal OD: 3.7 mm

3. Outer Shield:

- 3.1. Construction: Bare copper braid.
- 3.2. Coverage: 95% min.

4. Outer Jacket:

- 4.1. Material: FR PVC compound.
- 4.2. Color: Black.
- 4.3. Thickness: 0.8 mm nom.
- 4.4. OD: 6.15 mm nom.
- 4.5. Marking: **TELDOR 94P0590101 TVF TYPE RG-59/U 75 OHM + (SEQUENTIAL METER MARKING) METER (TELDOR BATCH NO.).**

5. Electrical Properties:

- 5.1. Impedance: 75.0±3 Ohm.
- 5.2. Maximum attenuation:
 - 1.44 dB/m max. @ 1 MHz.
 - 5.9 dB/m max. @ 50 MHz.
 - 7.9 dB/m max. @ 100 MHz.
 - 17.7 dB/m max. @ 400 MHz.
 - 28.8 dB/m max. @ 1000 MHz.
- 5.3. Conductor DC Resistance: 35.5 Ohm/Km max. @ 20°C.
- 5.4. Velocity of Propagation: 82% nom.
- 5.5. Nominal capacitance: 53 pF/m nom.

6. General Properties:

- 6.1. Cable Weight: 43 Kg/Km nom.

7. General Purchasing Requirements:

- 7.1. When packaged on reels the inner end of cable, including the first printing of S.M.M., shall be left outside and secured to the reel side.
- 7.2. The reel shell not bare any marking that represent the manufacturer.
- 7.3. The cable shall be supplied with C.O.T. and C.O.C. These documents shall be identified by TELDOR part number and the batch number as printed on the cable.

TELDOR... The Best Connection

Teldor Wires & Cables Ltd. Ein-Dor 19335 Israel
Central Phone: +972-4-6770555 Central Fax: +972-4-6770650
Email: teldor@teldor.com