



## Flexible cable 6/75 S (RG59)



P/N: ST291 360 000

### APPLICATION NOTE

Due to its 75 ohms characteristic impedance, RG59 is best suited for TV/ Video application.

Its solid inner conductor allows better attenuation than the equivalent KX solution (KX6).

## CONSTRUCTION / DIMENSIONS

|                  | Material                 | mm   | Inches |
|------------------|--------------------------|------|--------|
| Center conductor | Solid CCS <sup>(1)</sup> | 0.57 | 0.022  |
| Dielectric       | Solid PE <sup>(2)</sup>  | 3.71 | 0.146  |
| Inner shield     | Copper braid             | 4.50 | 0.177  |
| Outer shield     | -                        | -    | -      |
| Jacket           | Black PVC <sup>(3)</sup> | 6.15 | 0.242  |

## ELECTRICAL CHARACTERISTICS

|                           |                 |              |
|---------------------------|-----------------|--------------|
| Characteristic impedance  | 75Ω ± 3Ω        |              |
| Operating frequency range | DC - 1 GHz      |              |
| Shielding effectiveness   | 40 dB           |              |
| Voltage withstanding      | 7 000 V rms     |              |
| Peak power                | 2.7 kW          |              |
| Capacitance               | 60 pF / m       | 18.2 pF / ft |
| Velocity of propagation   | 66 % (5 ns / m) |              |