



## Hand-formable cable .141 (Unjacketed)



P/N: ST291 864 065

### APPLICATION NOTE

This handformable cable is an alternative to RG402 for applications requiring an easy routing on equipment. Due to the outer conductor construction, this cable can be hand formed with exceptional ease with no spring back effect. The cable can be reshaped, eliminating the need for costly drawings. Attenuation is a little bit higher than RG402 but the temperature range is wider.

## CONSTRUCTION / DIMENSIONS

|                  | Material                   | mm   | Inches |
|------------------|----------------------------|------|--------|
| Center conductor | Solid SPCCS <sup>(1)</sup> | 0.92 | 0.036  |
| Dielectric       | Solid PTFE <sup>(2)</sup>  | 2.95 | 0.116  |
| Inner shield     | Copper tape                | -    | -      |
| Outer shield     | TS <sup>(3)</sup> braid    | 3.50 | 0.138  |
| Jacket           | -                          | -    | -      |

## ELECTRICAL CHARACTERISTICS

|                           |                   |              |
|---------------------------|-------------------|--------------|
| Characteristic impedance  | 50Ω ± 2Ω          |              |
| Operating frequency range | DC - 20 GHz       |              |
| Shielding effectiveness   | 90 dB             |              |
| Voltage withstanding      | 5 000 V rms       |              |
| Peak power                | 3.4 kW            |              |
| Capacitance               | 97.5 pF / m       | 29.5 pF / ft |
| Velocity of propagation   | 70 % (4.8 ns / m) |              |