

**SYNERGY TELECOM PVT LTD**

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## Flexible cable 11/50 D (RG214 - KX13)



P/N: ST291 600 000

P/N: ST291 600 010

### APPLICATION NOTE

RG214 is one of the most popular RG cables.

To reduce cost when thermal conditions allow this cable may be used instead of RG393.

## CONSTRUCTION / DIMENSIONS

|                  | Material                   | mm    | Inches |
|------------------|----------------------------|-------|--------|
| Center conductor | Standed SPC <sup>(1)</sup> | 2.25  | 0.089  |
| Dielectric       | Solid PE <sup>(2)</sup>    | 7.24  | 0.285  |
| Inner shield     | SPC <sup>(1)</sup> braid   | -     | -      |
| Outer shield     | SPC <sup>(1)</sup> braid   | 8.89  | 0.350  |
| Jacket           | Black PVC <sup>(3)</sup>   | 10.80 | 0.425  |

## ELECTRICAL CHARACTERISTICS

|                           |                    |            |
|---------------------------|--------------------|------------|
| Characteristic impedance  | 50Ω ± 2Ω           |            |
| Operating frequency range | DC - 11 GHz        |            |
| Shielding effectiveness   | 65 dB (DC - 3 GHz) |            |
| Voltage withstanding      | 10 000 V rms       |            |
| Peak power                | 6.5 kW             |            |
| Capacitance               | 96 pF / m          | 29 pF / ft |
| Velocity of propagation   | 66 % (5 ns / m)    |            |