

# RG Cable

**EXRG-316S-50-CW  
-TA**

Expantel Code no

Date of issue

EX-3-00013

2015-11-23

Issues by

Approved by

Rev. no

Revised by

Revised date

L Y G

O J J



★ Specification ----- meet to MIL-C-17

★ Continuous working voltage -----Max. 900Vrms

★ Operating temperature range ----- -40°C ~ 125°C

## Construction

| Item             | Material | Diameter         | Remark         |
|------------------|----------|------------------|----------------|
| Center conductor | SPCW     | 0.51mm(0.02inch) | Strand(7/0.17) |
| Dielectric       | PTFE     | 1.52mm(0.06inch) | Solid          |
| Inner Braid      | TA       | 2.0mm(0.079inch) | 95%Coverage    |
| Jacket           | FEP      | 2.5mm(0.098inch) | Light Brown    |

TA : TIN PLATED COPPER

Electrical Data at +20°C ( nom. Data )

## Electrical Data

| Item                    | Specification     | Remark    |
|-------------------------|-------------------|-----------|
| Operating frequency     | Max. 10GHz        |           |
| Dielectric Resistance   | >1,000 MOHMS x Km |           |
| Capacitance             | 32 pF/ft          |           |
| Impedance               | 50 ± 2 OHMS       |           |
| Test voltage            | 2 kV DC           |           |
| Velocity of propagation | NOM. 69.5 %       |           |
| Weight                  | 16 Kg/Km          |           |
| Attenuation             | 0.18 dB/M         | at 50MHz  |
|                         | 0.59 dB/M         | at 500MHz |
|                         | 1.26 dB/M         | at 1GHz   |
|                         | 1.72 dB/M         | at 3GHz   |
|                         | 2.15 dB/M         | at 5GHz   |
|                         | 2.82 dB/M         | at 10GHz  |

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