

## GABREAL RG 213 FRNC

Ref. Std. MIL - DTL - 17/74C, EN 50117



### Construction

|              |   |
|--------------|---|
| Conductor    | Electrolytic annealed copper wire, 7x0.75mm ( $\varnothing 2.25 \pm 0.10$ mm) |
| Insulation   | $\varnothing 7.25 \pm 0.10$ mm Solid polyethylene                             |
| Screen       | Copper wire braiding, approx. 95%   |
| Outer sheath | $\varnothing 10.20 \pm 0.20$ mm FRNC compaund,                                |
| Sheath color | RAL 9005 Black  |

**Marking** GABREAL RG 213 FRNC LOT CE 0001 m

### Electrical properties (at 20 ° C, unless otherwise stated)

|                               |                       |
|-------------------------------|-----------------------|
| Impedance                     | 50 $\pm$ 2 $\Omega$   |
| Nominal capacitance           | 100 pF/m              |
| Velocity propagation          | 66%                   |
| Inner Conductor DC resistance | <6 $\Omega$ /km       |
| Operating                     | 3.7 kV (max.)         |
| Test voltage                  | 10 kV                 |
| Insulation resistance         | min. 2 G $\Omega$ .km |

### Electrical data

| Frequency (MHz) | Attenuation (dB/100m) |
|-----------------|-----------------------|
| 50              | 3.9                   |
| 100             | 7.5                   |
| 400             | 15.7                  |
| 1000            | 29.5                  |

### Mechanical and thermal properties

|                          |                     |
|--------------------------|---------------------|
| Temperature range        | -30°C to +80°C      |
| Installation temperature | -5°C to +50°C       |
| Min. bending radius      | 20 x Cable diameter |

### Other properties

|                             |               |
|-----------------------------|---------------|
| Flame retardant             | IEC 60332-1-2 |
| Acidic (Corrosive) gas test | IEC 60754-1/2 |
| Smoke density               | IEC 61034     |
| CE, RoHS compliant          | Yes           |
| Cable weight (approx.)      | 160 kg/km     |