



RG213 FRNC

RG-Cables acc. to MIL-C-17G



Application

see product overview

Standards

acc. to MIL-C-17G

Flame resistance

acc. to IEC 60332-1

Construction

| | |
|-----------------|--|
| Inner conductor | stranded copper wires, bare 7 x 0.75, diameter 2.25 ± 0.01 mm |
| Insulation | PE, diameter 7.25 ± 0.05 mm |
| Braid | bare, 96% optical coverage |
| Sheath | Flame Retardant Non Corrosive material (SM-M16), diameter 10.30 ± 0.15 mm |
| Marking | RG-213 MIL-C-17G- FRNC |

Mechanical properties

| | | |
|---------------------------|---------------------|---------------------|
| Minimum bending radius | without load | 5 x outer diameter |
| | with load | 10 x outer diameter |
| Temperature | during operation | -40° C to + 85° C |
| | during installation | -15° C to + 55° C |
| Corrosivity of fire gases | | acc. to IEC 60754-2 |

Electrical properties

at 20°C

| | | |
|--------------------------|-----------------------|------------------------|
| DC resistance | Inner conductor | 5.7 Ω/km |
| | Outer conductor | 3.9 Ω/km |
| Mutual capacitance | | 100 pF/m |
| Characteristic impedance | | 50 Ω ± 2 Ω |
| Velocity ratio | | 66 % |
| Operating voltage | | 3.7 kV _{rms} |
| Test voltage | Inner/Outer conductor | 10.0 kV _{rms} |



RG213 FRNC

Electrical data

at 20°C

| Frequency (MHz) | Attenuation (dB/100m) | Max. power rating (Watts) (ambient temperature 25°C and max. inner conductor temperature 70°C) | Return loss (dB) several peaks are allowed | |
|-----------------|-----------------------|---|---|---------|
| | | | Frequency (MHz) | |
| 10 | 1.8 | 2300 | 1-1000 | 28-23.5 |
| 100 | 6.8 | 920 | | |
| 200 | 9.0 | 570 | | |
| 400 | 14.4 | 380 | | |
| 1000 | 24.7 | 210 | | |
| 1500 | 31.5 | 170 | | |
| 2000 | 36.4 | 140 | | |
| 3000 | 46.6 | 100 | | |
| 5200 | 62.0 | 73 | | |
| 5800 | 67.0 | 67 | | |

All other requirements acc. to MIL-C-17G

Technical data

| Product code | Designation | Type | Brand name | Outer diameter | Weight | Standard delivery length | Drum size | Gross weight | Copper content | Tensile force |
|--------------|-------------|------------|-----------------------|----------------|--------|--------------------------|-----------------|--------------|----------------|---------------|
| | | | | mm | kg/km | m | *PWD/ring | kg | | |
| CK2675400 | 2YCH | 2.25L/7.25 | M17/74- RG213 FRNC | 10.3 | 157 | 1000 | 760/360/ 420 | 169 | 86.7 | 470 |

*PWD (Plywood drum)