



Product specification

| | |
|-----------------------|-----------------------|
| Connector A | 4.3/10 male straight |
| Connector B | 7/16 male right angle |
| Cable | RF1/2" Black PE |
| Cable diameter (mm) | 15,7 |

Mechanical properties

| | |
|---|---------|
| Minimum radius of curvature , simple(mm) | 70 |
| Minimum radius of curvature , multiple (mm) | 125 |
| Number of bends (minimum / Typical) | 15 / 30 |
| Flat plate crush strength (Kg / mm) | 2 |
| Tensile strength (Kg) | 113 |

Electrical properties

| | |
|---|---------|
| Impedance (Ω) | 50 ± 1 |
| Intermodulation (3rd order @ 2 x 20 W) (dBc) | ≤ - 165 |
| Screening attenuation (dB) | > 120 |
| Velocity of propagation (%) | 86 |
| DC insulation dielectric strength (kV) | 4 |

VSWR,Return loss (dB)

| | |
|---------------------|-----------|
| (690-960 MHz) | 1,08 / 28 |
| (1.700-2.200 MHz) | 1,12 / 25 |
| (2.200-2.700 MHz) | 1,12 / 25 |
| (3.400-3.800 MHz) | 1,18 / 21 |

Attenuation (dB)

$$\text{Max Att. @ F (MHz) (dB)} = \text{Att. @ F (MHz)} \times 1,05/100 \times L \text{ (m)} + 0,01 \times \sqrt{F \text{ (GHz)}} + \text{Att. connectors}$$

| Frequency (MHz) | Attenuation (dB/100m) | Power (20°C,KW) |
|-------------------|-----------------------|-----------------|
| 450 | 4,75 | 1,59 |
| 700 | 6,01 | 1,26 |
| 1000 | 7,28 | 1,04 |
| 1800 | 10,10 | 0,75 |
| 2200 | 11,20 | 0,67 |
| 2500 | 12,06 | 0,64 |
| 2700 | 12,60 | 0,61 |
| 3400 | 14,40 | 0,53 |
| 3600 | 14,88 | 0,51 |
| 3800 | 15,34 | 0,50 |

Ref

| | | | | | | | | | |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 210235 | 210211 | 210236 | 210237 | 210238 | 210333 | 210334 | 210335 | 210336 | 210337 |
| (1 m) | (2 m) | (3 m) | (4 m) | (5 m) | (6 m) | (7 m) | (8 m) | (9 m) | (10 m) |

Standards

| | |
|--|-----------|
| IP Grade protection | IP 68 |
| Installation temperature (°C) | - 25 + 60 |
| Operating temperature (°C) | - 55 + 85 |
| Storage temperature (°C) | - 55 + 85 |
| IEC 60754-1 (Amount of halogen acid gas) | Compliant |
| IEC 60754-2 (Degree of acidity of gases) | Compliant |
| EN50575 (CPR Cable EuroClass) | Fca |
| IEC 61196.1-2005 (Design and test methods) | Compliant |
| 2011/65/EU (RoHs) | Compliant |