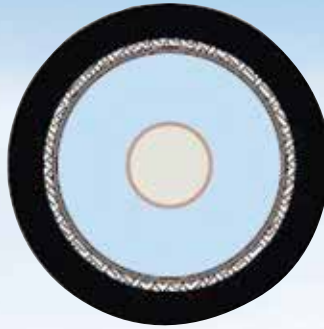


Aircom® Premium



Design:

- Inner conductor: hybrid aluminium core
- Insulation of foamed Polyethylene (PE) with skin
- Bonded copper foil overlapped, applied longitudinally
- Shield braiding of bare copper wires 0.15mm dia (35 AWG)
- Coverage about 75%

Ø 2,75 mm (0,108 in dia)

Ø 7,20 mm (0,283 in dia)

Ø 7,90 mm (0,311 in dia)

Jacket:

- Polyvinylchloride (PVC) BK
- Wall thickness about 1.1mm

Ø (10,2 ±0,3) mm (0,402 ±0,012 in dia)

Electrical data at 20°C

- Conductor resistance
- Insulation resistance
- Characteristic impedance
- Capacitance (1 kHz)
- Screening attenuation 1 GHz (DIN EN 50289-1-6 / triaxial method)
- Relative velocity of propagation
- Test voltage (wire/screen rms 50Hz 1 min)

≤ 5 Ohm/km

≥ 10 GOhm*km

(50±3) Ohm

78 nF/km

≥ 90 dB

85 %

1000 V

| | | | | | | | | | | | | | |
|----------------------------|------|------|-----|------|------|------|------|------|------|------|------|-------|-------|
| Frequency (MHz) | 10 | 100 | 500 | 1000 | 2000 | 2400 | 3000 | 4000 | 5000 | 6000 | 8000 | 10000 | 12000 |
| Attenuation typ. (dB/100m) | 1,1 | 3,6 | 8,5 | 12,5 | 18,2 | 20 | 23 | 27 | 31 | 35 | 45 | 60 | 75 |
| Mean. Power (W) at 40°C | 4700 | 1400 | 620 | 420 | 290 | 260 | 230 | 190 | 170 | 150 | 130 | 100 | 80 |

Mechanical and thermal characteristics:

Jacket material acc. to DIN EN 50290-2-22 (VDE 0819), compound type TM52 (HD 624,2)

Flame retardant acc. to IEC 60332-1-2

Other characteristics:

RoHS compliant (Directive 2011/65/EC)

Temperature range

Storage, installation and operating:

-40°C (-40°F) up to 85°C (185°F)

Min. bending radius allowed:

repeated 8x Ø, single 4x Ø

Weight about:

129kg/km (86,5 lb/1000ft)

