



## 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)

