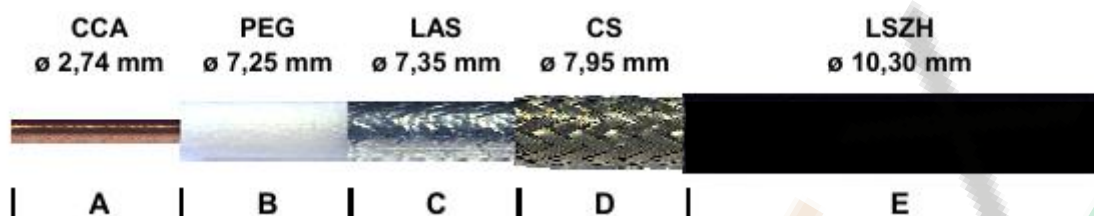


© Mechanical data



A inner conductor

Plain copper clad aluminium ø 2,74 mm

B Dielectric

Gas injected skin-foam-skin polyethylene ø 7,25 ± 0,18mm

C Shield

All + PET + ALL adhesive tape h.27mm - coverage 100%

D Braid

Tinned copper 192 x 0,15mm – coverage 100%

E Sheath

Flame retardant non corrosive ø 10,30 ± 0,18mm thermoplastic free of halogens

Colour Black – RAL 9004

CPR Class Eca

Temperature range -40/+80 °C

Minimum bending radius

- Single ø EXTERNAL X 5
- Repeated ø EXTERNAL X 10

Cable weight (kg/km)

- Copper 56,0
- Plastic 63,9
- Total 123,2

© APPLICATIONS

High performance broadband low loss 50 Ohm coaxial communication cable designed for use in wireless applications in accordance to: IEC 60754-1 IEC 60754-2 IEC 61034-2

© Electrical Properties

Impedence @ 200 MHz 50 ± 1,5 Ohm

Capacidence 80 pF/m

Velocity ratio 84%

Resistance

- Inner conduct. 4,7 Ohm/Km
- Braid 5,0 Ohm/km

Tension

- Sheath spark test 6,0 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,0	8202
10	MHz	1,3	5800
30	MHz	2,1	3349
50	MHz	2,8	2594
150	MHz	4,7	1498
220	MHz	5,7	1237

MAX. POWER RATING W

		dB	W
450	MHz	8,4	865
600	MHz	9,8	749
800	MHz	11,4	648
900	MHz	12,1	611
1000	MHz	12,8	580
1500	MHz	16,0	474

		dB	W
1800	MHz	17,7	432
2000	MHz	18,9	410
2500	MHz	21,1	367
3000	MHz	23,4	335
5200	MHz	32,7	254
5800	MHz	34,7	241

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>27	2000 ÷ 3000	MHz	>22
450 ÷ 1000	MHz	>26	3000 ÷ 4000	MHz	>21
1000 ÷ 2000	MHz	>23	4000 ÷ 5800	MHz	>20

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

The producer reserves himself to make modification on the item without any notice.