

# DATENBLATT AC 100



## Konstruktion / construction:

Innenleiter / inner conductor (mm)	1,0 Cu bl / bare
Isolation / insulation (mm)	4,6 CPE phys.
Außenleiter / outer conductor	
- Folie / foil verklebt/bonded	AL-PP
- Geflecht / braid	AL
- Folie / foil	AL-PP-AL
- Geflecht / braid	
Mantel / sheath (mm)	6,9 PVC ws/white
6,9 PVC rot/red, blau/blue, grau/grey	6,9 PE sw/black

## Elektrische Daten /electrical properties

**Impedanz / charact. Impedance** 75 Ohm +/- 3

## Dämpfung / Attenuation / 20°C / dB/100 m

50	MHz	6,5 dB
100	MHz	7,0 dB
200	MHz	9,0 dB
300	MHz	12,0 dB
500	MHz	15,0 dB
800	MHz	19,0 dB
950	MHz	21,0 dB
1350	MHz	25,0 dB
1750	MHz	29,0 dB
2050	MHz	32,0 dB
2150	MHz	33,0 dB
2400	MHz	34,5 dB

## Verkürzungsfaktor Velocity ratio

0,82

## Kapazität capacity (pF/m)

55

## Rückflussdämpfung / Return Loss

30 - 300	MHz	> 24 dB
300 - 600	MHz	> 24 dB
600 - 960	MHz	> 24 dB
960 - 2150	MHz	> 22 dB

## Mechanische Eigenschaften / mechan. Properties

Zul. Biegeradius / bend. rad. (once)	45 mm
Kupfer / copper (kg/km)	9,0
Gewicht / weight (kg/km)	39,0

## Aufmachung / Packing

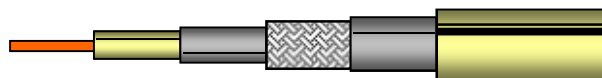
Ring / coil	5 / 15 / 25m
Karton / carton box	
Spule / spool	100 / 250 m
Trommel	500 m

## Stecker / connectors

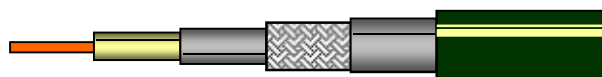
Schraubstecker / twist on	F 9 TW
Push-On Stecker	FPOS 48
Kompression / compression line	F-KPS 49, -Q, -FM BNC-KPS-75-49

## Kabelart / cable type

Innenkabel / Inhouse cable (drop)



Aussenkabel / Outdoor cable (trunk)



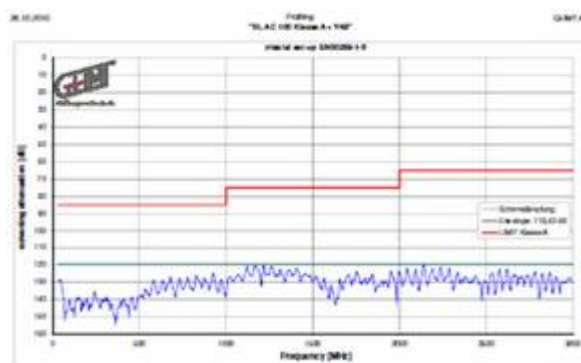
## Kopplungswiderstand / Transferimpedance

5	MHz	< 2,5 mOhm/m
30	MHz	< 2,5 mOhm/m

## Schirmdämpfung / screening efficiency

30 - 300	MHz	130 dB
300 - 470	MHz	130 dB
470 - 1000	MHz	120 dB
1000 - 2000	MHz	120 dB
2000 - 3000	MHz	120 dB

Schirmdämpfung: AC 100



## Gleichstromwiderstand / Direct current resistance 20°

Innenleiter / inner conductor (ohm/km) ca.	20
Außenleiter / outer conductor (ohm/km)	30

## Normen / Standards

EN 50117-2-4:2008-08

## Zulassungen / Approvals

INTSA0210  
I 554 b - 10 - D

## Besonderheiten

**Klasse A plus**  
digitaltauglich, dreifach abgeschirmt, mit Metermarkierung

## special remarks

**Class A plus**  
suitable for digital signals, tri-shield cable, with metermarking