



DATA SHEET	3034034
UNITRONIC® Coaxial cable 75 Ω SAT 100 dB	Valid from: 04.12.2008

Usage

The UNITRONIC® coax cable 75 Ω SAT 100 dB is a HIGH END CABLE, especially designed for digital input with high bandwidth for future application and requirements.

Technical data

Core	solid plain copper, 1,0 mm
Dielectric	Cell-PE white, 4,6 mm (+/- 0,1 mm)
External conductor	Aluminium foil, tinned copper screen (16x4x0.13), Aluminium foil
Outer sheath	PVC white
Outer sheath	approx. 7,0 mm (+/- 0,2 mm)
Cable weight:	approx. 44 kg/km

Electrical properties at 20°C:

Charact. Impedance 75 Ohm

Damping:		
100 MHz	nom. dB/100m	4,5
200 MHz	nom. dB/100m	7,4
300 MHz	nom. dB/100m	9,6
450 MHz	nom. dB/100m	12,4
800 MHz	nom. dB/100m	18,4
1000 MHz	nom. dB/100m	22,2
1350 MHz	nom. dB/100m	25,0
1750 MHz	nom. dB/100m	29,6
2050 MHz	nom. dB/100m	33,3
2400 MHz	nom. dB/100m	36,0
3000 MHz	nom. dB/100m	38,2

Structural return loss (dB):

5 MHz - 1000 MHz	> 28 DB
1000 MHz - 3000 MHz	> 25 DB

Mechanical properties:

Minimum bending radius 40 mm

EC directive:

This cable is for use in the voltage range of < 50 V AC that is < 75 V DC and is therefore not in accordance with the ECD 73/23/EEC (low voltage directive)

Elaborated by: SBU Rainer Mebus	Document: DB3034034_1EN	Page 1 of 1
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