

# WISI MK 96 AL 500

Coaxial cable halogenfree 120 dB, Ø 6,8 mm, Length 500 m, PE-LS-ZH white, on plastic drum



## Description

The MK 96 AL 500 is a halogen free 75 Ohm coaxial cable for the in-house installation with specific safety requirements concerning fire protection and smoke emission. The high-quality materials and the triple shielding with a screening efficiency of >120 dB guarantee an interference free transmission in distribution systems for cable TV, terrestrial and satellite signals. The MK 96 AL is approved by Vodafone Kabel Deutschland and perfect for the installation in return path capable multimedia networks. The inner conductor consists of pure copper enabling perfect electrical values and a high reliability. With the fire protection class Dca, s1, d2, a1 the MK 96 AL complies with the Construction Products Regulation (CPR) EU No. 305/2011. The PE outer sheath with LSZH (Low smoke zero halogen) compound is installation friendly and compatible with the WISI connector system as well as commercially available connection accessories.

## At a glance:

- Exceeds Class A+ (EN 50117-2-4), Screening efficiency > 120 dB
- Halogen free PE outer sheath (LSZH)
- Triple shielded, bonded outer foil enables easy connector assembly
- Fulfills fire protection class Dca, s1, d2, a1 (EN 50575)
- Length indication at the outer sheath
- RoHS compliant
- Ageing resistance, gas foamed dielectric
- Easy mounting with WISI connector systems (DV 15, DV 15N, DV 55, DV 85)
- Plug-compatible with Cabelcon F-56-CX3 4.9
- Approved by Vodafone Kabel Deutschland

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# WISI MK 96 AL 500

## Technical data

### General data

Installation	Indoor installation
Screening factor	Class A+, according to EN 50117-2-4
Color	White
Length	500 m
Reaction to fire	Dca, s1, d2, a1, according to BauPVO (EN 50575)

### Construction

Screening construction	3-way
Inner conductor	Ø 1,02 mm (Cu)
Insulation	Ø 4,7 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 4,85 mm (Al-Pet bonded)
Outer conductor 2. Braid	63 % (optical coating, tinned copper)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 6,8 mm (PE-LSZH, white)

### Electrical data

Impedance	75 Ω
Velocity ratio	0,84
DC resistance inner conductor	21,2 Ω/km
DC resistance outer conductor	11,7 Ω/km
Rated current	8 A
Attenuation 5 MHz	1,3 dB (100 m)
Attenuation 50 MHz	4,1 dB (100 m)
Attenuation 100 MHz	5,9 dB (100 m)
Attenuation 400 MHz	12,0 dB (100 m)
Attenuation 860 MHz	17,9 dB (100 m)
Attenuation 1000 MHz	19,4 dB (100 m)
Attenuation 1400 MHz	23,2 dB (100 m)
Attenuation 2000 MHz	28,2 dB (100 m)
Attenuation 2400 MHz	31,4 dB (100 m)
Attenuation 3000 MHz	35,6 dB (100 m)
Return loss 5...470 MHz	> 30 dB
Return loss 470...1000 MHz	> 28 dB
Return loss 1000...2000 MHz	> 23 dB
Return loss 2000...3000 MHz	> 20 dB
Coupling resistance 5...30 MHz	≤ 1,4 mΩ/m
Screening efficiency 30...1000 MHz	≥ 120 dB
Screening efficiency 1000...2000 MHz	≥ 115 dB
Screening efficiency 2000...3000 MHz	≥ 110 dB

### Mechanical Data

Max. permissible force	120 N
Bending radius single/multiple	35/75 mm
Operating temperature	-15...+65 °C
Application temperature range	-5...+50 °C
Copper weight	ca. 16 kg/km
Total weight	ca. 46 kg/km

## Packaging data

Sales unit	500 m (plastic drum)
Dimensions (WxHxD) sales unit	340 x 400 x 400 mm
Packaging volume sales unit	54,4 dm <sup>3</sup>
Gross weight sales unit	0.051 kg
Shipping unit	500 m
Dimensions (WxHxD) shipping unit	400 x 340 x 400 mm
Packaging volume shipping package	54,4 dm <sup>3</sup>
Gross weight shipping unit	kg
EAN	4010056753221
Article number	75322
Customs tariff number	85442000