

# WISI MK 96 A 0500

Coaxial cable 120 dB, Ø 6,8 mm, Length 500 m, PVC white, on plastic drum



## Description

The MK 96 A 0500 is a 75 Ohm coaxial cable for the in-house installation. The high-quality materials and the triple shielding, with a screening efficiency of >120 dB, guarantees an interference free transmission in distribution systems for cable TV, terrestrial and satellite signals. The MK 96 A 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, s3, d2, a3 the MK 96 A complies with the Construction Products Regulation (CPR) EU No. 305/2011. The PVC outer sheath is installation friendly and compatible with the WISI connector system as well as commercially available connection accessories

## At a glance:

- Screening class A+ (EN 50117-2-4)
- Screening efficiency >120 dB
- Triple shielded, bonded outer foil enables easy connector assembly
- Fulfills fire protection class Dca, s3, d2, a3 (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

## 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, s3, d2, a3, according to BauPVO (EN 50117)

### 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 (PVC, 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	0.049 kg
Shipping unit	500 m (5 x 100 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	4010056753191
Article number	75319
Customs tariff number	85442000