

# WISI MK 86 A 0500

Coaxial cable 110 dB, Ø 6,9 mm,  
Length 500 m, PVC white, on wooden drum



## Description

The MK 86 A 0500 is a 75 Ohm coaxial cable for the in-house installation. The quality materials and the triple shielding, with a screening efficiency of >110 dB, guarantees an interference free transmission. Thanks to its low cable loss and the perfect installation characteristics, the MK 86 A is ideal for the use in SAT-IF and terrestrial distribution systems. With the fire protection class Eca, the MK 86 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 (recommended DV15, DV15N, DV55, DV97) as well as commercially available connection accessories.

## At a glance:

- Screening class A+ (EN 50117-2-4)
- Screening efficiency >110 dB
- Triple shielded, bonded outer foil enables easy connector assembly
- Fulfills fire protection class Eca (EN 50575)
- Length indication at the outer sheath
- RoHS compliant
- Aging resistance, gas foamed dielectric
- Easy mounting with WISI connector system (recommended DV15, DV15N, DV55, DV97)

## Technical data

### General data

Installation	Indoor installation
Screening factor	Screening class A+ (EN 50117-2-4)
Color	White
Length	500 m
Reaction to fire	Eca, according to CPR (EN 50575)

### Construction

Screening construction	3-way
Inner conductor	Ø 1.02 mm (CCS)
Insulation	Ø 4.7 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 4.85 mm (AL/PET/AL bonded)
Outer conductor 2. Braid	80 %
Outer conductor 3. Foil	AL/PET/AL
Sheath	Ø 6.9 mm (PVC, white)

### Electrical data

Impedance	75 Ω
Velocity ratio	0.83
DC resistance inner conductor	<100 Ω/km
DC resistance outer conductor	<24 Ω/km
Rated current	8 A
Attenuation 5 MHz	2.3 dB (100 m)
Attenuation 50 MHz	4.8 dB (100 m)
Attenuation 100 MHz	6.6 dB (100 m)
Attenuation 400 MHz	13.7 dB (100 m)
Attenuation 860 MHz	18.9 dB (100 m)
Attenuation 1000 MHz	21.2 dB (100 m)
Attenuation 1400 MHz	25.5 dB (100 m)
Attenuation 2000 MHz	30.5 dB (100 m)
Attenuation 2400 MHz	32.8 dB (100 m)
Attenuation 3000 MHz	38.0 dB (100 m)
Return loss 5...470 MHz	> 30 dB
Return loss 470...1000 MHz	> 28 dB
Return loss 1000...2000 MHz	> 24 dB
Return loss 2000...3000 MHz	> 17 dB
Coupling resistance 5...30 MHz	≤ 2,2 mΩ/m
Screening efficiency 30...1000 MHz	≥ 110 dB
Screening efficiency 1000...2000 MHz	≥ 100 dB
Screening efficiency 2000...3000 MHz	≥ 95 dB

### Mechanical Data

Max. permissible force	< 600 N
Bending radius single/multiple	70/140 mm
Operating temperature	-20...+70 °C
Application temperature range	-10...+60 °C
Total weight	41 kg/km

## Packaging data

Sales unit	500 m (wooden drum)
Dimensions (WxHxD) sales unit	360 x 320 x 360 mm
Packaging volume sales unit	41.5 dm <sup>3</sup>
Gross weight sales unit	20.5 kg
Shipping unit	500 m
Dimensions (WxHxD) shipping unit	370 x 340 x 370 mm
Packaging volume shipping package	46.5 dm <sup>3</sup>
Gross weight shipping unit	21.1 kg
EAN	4010056768065
Article number	76806
Customs tariff number	85442000