

WISI MK 99 S 0502

Coaxial cable 100 dB, Ø 6,5 mm, Length 500 m, PE black, on plastic drum



Description

The MK 99 S 0502 is a 75 Ohm coaxial cable with a pure inner conductor for the outdoor installation. The UV stable PE outer sheath enables a long life span, even at direct sunlight. The high-quality materials and the triple shielding, with a screening efficiency of >100 dB, guarantees an interference free transmission. The MK 99 S is ideal for the use in SAT-IF and terrestrial distribution systems, where the point of reception is out of the building. With the fire protection class Fca, the MK 99 S complies with the Construction Products Regulation (CPR) EU No. 305/2011. The PE outer sheath is installation friendly and compatible with the WISI connector system (DV 55) as well as commercially available connection accessories.

At a glance:

- Exceeds Class A (EN 50117-2-4)
- Screening efficiency >100 dB
- UV-resistant PE outer jacket for outdoor installation
- Triple shielded, bonded outer foil enables easy connector assembly
- Fulfills fire protection class Fca (EN 50575)
- Length indication at the outer sheath
- RoHS compliant
- Ageing resistance, gas foamed dielectric
- Easy mounting with WISI connector systems (DV55)

Technical data

General data

Installation	Außeninstallation
Screening factor	Class A, according to EN 50117-2-4
Color	black
Length	500 m
Reaction to fire	Fca, according to BauPVO (EN 50117)

Construction

Screening construction	3-way
Inner conductor	Ø 1,02 mm (Cu)
Insulation	Ø 4,8 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 4,85 mm (AL/PET/AL bonded)
Outer conductor 2. Braid	44 %
Outer conductor 3. Foil	AL/PET
Sheath	Ø 6,5 mm (PE, black)

Electrical data

Impedance	75 Ω
Velocity ratio	0,84
DC resistance inner conductor	<21,5 Ω/km
DC resistance outer conductor	<32 Ω/km
Rated current	8 A
Attenuation 5 MHz	1,6 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	17,8 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	31,2 dB (100 m)
Attenuation 3000 MHz	34,5 dB (100 m)
Return loss 5...470 MHz	>28 dB
Return loss 470...1000 MHz	>26 dB
Return loss 1000...2000 MHz	>24 dB
Return loss 2000...3000 MHz	>20 dB
Coupling resistance 5...30 MHz	≤5,0 mΩ/m
Screening efficiency 30...1000 MHz	≥100 dB
Screening efficiency 1000...2000 MHz	≥90 dB
Screening efficiency 2000...3000 MHz	≥90 dB

Mechanical Data

Max. permissible force	<120 N
Bending radius single/multiple	35/75 mm
Operating temperature	-20...+70 °C
Application temperature range	-10...+60 °C
Total weight	32 kg/km

Packaging data

Sales unit	100 m (plastic drum)
Dimensions (WxHxD) sales unit	400 x 400 x 340 mm

Packaging data

Packaging volume sales unit	dm ³
Gross weight sales unit	0.037 kg
Shipping unit	m
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm ³
Gross weight shipping unit	kg
EAN	4010056754389
Article number	75438
Customs tariff number	85442000