

WISI MK 96 AL 100

Coaxial cable halogenfree 120 dB, Ø 6,8 mm, Length 100 m, PE-LS-ZH white, Cable ring in plastic foil



Description

The MK 96 AL 100 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

WISI Communications GmbH & Co. KG

Wilhelm-Sihn-Str. 5-7
75223 Niefern-Oeschelbronn, Germany

Phone: +49 7233 66-280, Fax: -350
E-Mail: export@wisi.de

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WISI MK 96 AL 100

Technical data

General data

| | |
|------------------|---|
| Installation | Indoor installation |
| Screening factor | Class A+, according to EN 50117-2-4 |
| Color | White |
| Length | 100 m |
| Reaction to fire | Dca, s1, d2, a1, according to BauPVO (EN 50575) |

Construction

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|--------------------------|---------------------------------------|
| 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

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|--------------------------------------|-----------------|
| 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

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|-----------------------------------|------------------------------------|
| Sales unit | 100 m (Cable ring in plastic foil) |
| Dimensions (WxHxD) sales unit | 415 x 525 x 265 mm |
| Packaging volume sales unit | dm ³ |
| Gross weight sales unit | 0.047 kg |
| Shipping unit | 600 m (6 x 100 m) |
| Dimensions (WxHxD) shipping unit | 265 x 415 x 525 mm |
| Packaging volume shipping package | 57,74 dm ³ |
| Gross weight shipping unit | kg |
| EAN | 4010056753207 |
| Article number | 75320 |
| Customs tariff number | 85442000 |