

# MK 16 (KTH11)

# WISI

**Product Code:** MK 16 (KTH 11 AL0.12)

### Product Description

**Application:**

For communication and signal control systems.

**Reference Standard**

Customer's sample spec.and the general standard

**Multi-construction**

1

### Cable Construction

**Conductor** Bare Copper

1 Singles

Construction 1.60±0.03mm

Stranded Dia. 1,60

**Insulation Layer** Gas injected Foam PE

Thickness(mm) 2,80

Insulation Dia. (±0.20mm) 7,20

Insulation Color Nature

**Bonded Al-Pet-Al Shielded** ≥120%

Thickness(μ) 20/15/20

**Braiding(mm)** Aluminium Wire

Construction A10.12±0.008×16×11

Braid Coverage(%) 86%

**Al-Pet Shielded** ≥120%

**Jacket** PE

Thickness(mm) 1,1

Dia.(±0.3mm) 10,00

Jacket Color Black

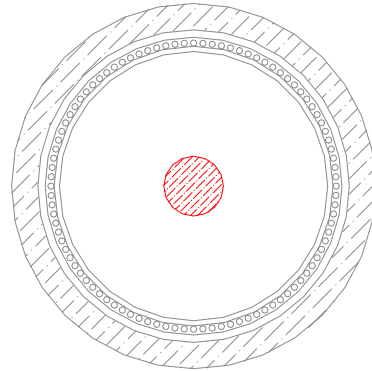
**Marking (white ink)**

KTH 11 CE RoHS Class A+ Euroclass Fca 001 m

81025PO#YYWW

**CPR Label**

## Design



### Electrical Characteristics

Max.Conductor DC Resistance at 20°C ( Ω /Km)	<9.4
Min.Insulation DC Resistance at 20°C ( M Ω *Km)	>500
Rated Temperature(°C)	70
Rated Voltage(V)	30
Velocity ratio (%)	82%
Impedance( Ω )	75±3
Capacitance(pF/m)	52±4
Transfer impedance	<5Mohms

### Attenuation at 20°C ( - dB/100m) (+/-10%)

50 MHz	3,50
100 MHz	4,60
200 MHz	6,00
300 MHz	7,40
470 MHz	9,50
860 MHz	13,40
1000 MHz	14,60
1350 MHz	17,40
1750 MHz	20,20
2050 MHz	22,20
2250 MHz	23,50
2400 MHz	24,50

### Return loss ( - dB/100m)

5 ---- 470 MHz	>24
470 ---- 1000 MHz	>22
1000 ---- 2400 MHz	>20

### SCREENING EFFECTIVENESS ( - dB)

50-300MHz	>100
300-470MHz	>100
470-1000MHz	>95
1000-2400MHz	>90

### RoHS GUIDELINE

We operate according to the following standards

Control Item <sup>o</sup>	Standard <sup>o</sup>	Testing Method <sup>o</sup>	Testing Equipment <sup>o</sup>
Cadmium content (Cd) <sup>o</sup>	<0.01% <sup>o</sup>	EN1122 <sup>o</sup>	ICP-AES <sup>o</sup>
Lead content (Pb) <sup>o</sup>	<0.1% <sup>o</sup>	EPA3050B <sup>o</sup>	ICP-AES <sup>o</sup>
Mercury content (Hg) <sup>o</sup>	<0.1% <sup>o</sup>	EPA3052 <sup>o</sup>	ICP-AES <sup>o</sup>
Chromium (VI) content <sup>o</sup>	<0.1% <sup>o</sup>	EPA3060(UN-VIS) <sup>o</sup>	ICP-AES <sup>o</sup>
Polybrominated Biphenyls(PBB) <sup>o</sup>	Forbidden <sup>o</sup>	GC/MS <sup>o</sup>	
Polybrominated Diphenyl Ether (PBDE) <sup>o</sup>	Forbidden <sup>o</sup>	GC/MC <sup>o</sup>	

Date: 2017-2-17