

# KTH 89 CCS

## Design



**Part NO:** KTH 89 CCS

**Product Code:** KA-118

### 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 Copper Clad Steel

Conductivity 22 %

Construction 1,02

Stranded Dia. (+/-0.02mm) 1,02

#### Insulation Layer Gas injection Foam PE

Thickness(mm) 1,790

Insulation Dia. (±0.15mm) 4,60

Insulation Color Nature

Al-Pet-Al Shielded >=120%

#### Braiding(mm) Aluminium Wire

Construction 0.12Al×16×7

Braid Coverage(%) 75 %

Tape >=120%

#### Jacket PVC

Thickness(mm) >=0.70

Dia.(±0.15mm) 6,60

Jacket Color White

#### Marking

According to customer

#### PACKAGING

100M/Box

100M/Reel

250M/Reel

500M/Reel

### Electrical Characteristics

Max.Conductor DC Resistance at 20°C ( Ω /Km) <103.5

Min.Insulation DC Resistance at 20°C ( M Ω \*Km) >1000

Rated Temperature(°C) 80

Rated Voltage(V) 30

Velocity ratio (%) 82 %

Impedance( Ω ) 75+/-3

Capacitance(pF/m) 50+/-4

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

50 MHz 4,50

100 MHz 6,20

200 MHz 8,60

300 MHz 10,70

470 MHz 13,60

860 MHz 19,30

1000 MHz 21,00

1350 MHz 24,80

1750 MHz 28,60

2050 MHz 31,30

2250 MHz 32,90

2400 MHz 34,10

#### SCREENING EFFECTIVENESS ( - dB)

50-1000MHz >90

1000-2400MHz >85

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

5 ---- 1000 MHz >24

1000 ---- 2000 MHz >22

2000 ---- 3000 MHz >20

### RoHS GUIDELINE

We operate according to the following standards

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

### Revision History

A0-1

Price NO.:KA-0057

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