

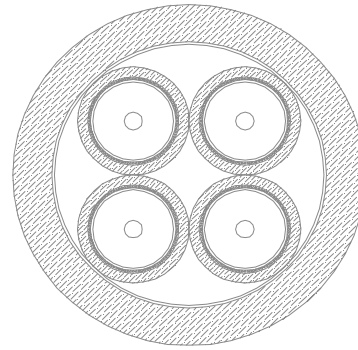
# KTH 79

## Kabel-Tec-Hauch GmbH



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## Design



**Part NO:** KTH 79

**Product Code:** KA-077-2

### Product Description

#### Application:

For communication and signal control systems.

#### Reference Standard

Customer's sample spec.and the general standard

#### Multi-construction

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### Cable Construction

Conductor	Bare Copper
1 Singles	
Construction	1,13
Stranded Dia. (+/-0.02mm)	1,13
Insulation Layer	Gas Injection Foam PE
Thickness(mm)	1,835
Insulation Dia. (±0.15mm)	4,80
Insulation Color	Nature
Al-Foil-Al Shielded	>=120%
Thickness(μ)	9/23/9
Braiding(mm)	
Construction	0.12Al×16×8
Braid Coverage(%)	80%
Mylar Spiral	>=115%
Inner Jacket	PVC
Thickness(mm)	>=0.85
Dia.(±0.15mm)	6.80 × 4C
Jacket Color	Red/White/Grey/Blue
Total Mylar Spiral	>=115%
A Rip Cord	500D
Outer Jacket	PVC
Thickness(mm)	>=1.10
Dia.(±0.30mm)	18,30
Jacket Color	White

#### Marking (For KTH)

KTH 79 class A +xxxxM.....

#### PACKAGING

250M/Wooden Drum  
500M/Wooden Drum  
According to customer

**Min. Bending radius** **10× OD**

### Revision History

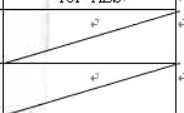

A0-1 Price NO.:KA-0020

### Electrical Characteristics

Max.Conductor DC Resistance at 20°C ( Ω /Km)	<19.2
Min.Insulation DC Resistance at 20°C ( M Ω *Km)	>1000
Rated Temperature(°C)	70
Rated Voltage(V)	30
Velocity ratio (%)	80%
Impedance( Ω )	75
Capacitance(pF/m)	50
Attenuation at 20 °C ( - dB/100m) (+/-10%)	
50 MHz	4,00
100 MHz	4,90
200 MHz	7,20
300 MHz	9,10
470 MHz	11,60
860 MHz	16,90
1000 MHz	18,90
1350 MHz	22,20
1750 MHz	26,60
2050 MHz	28,20
2250 MHz	29,50
2400 MHz	31,40
SCREENING EFFECTIVENESS ( - dB)	
50-1000MHz	>95
1000-2400MHz	>90
Return loss ( - dB/100m)	
5 ---- 1000 MHz	>30
1000 ---- 2000 MHz	>27
2000 ---- 3000 MHz	>25

### 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>	

Date : 2006-08-08

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