

# ksm

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## Connector Specification

### D01-xMxSx – Shielded Modular Connector for Stranded Wire

Modular connectors for Telecommunications and Ethernet.

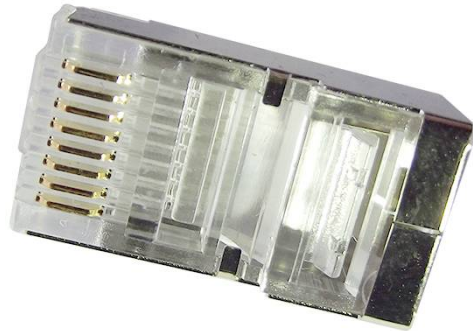


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#### Mechanical Characteristics

Operating Temperature (°C): -40 to +125  
Maximum Wire Diameter (mm): 1.0 (Cat6: 1.10)

#### Electrical Characteristics at 20°C

Test Voltage (V): 250  
Current Rating (A): 2  
Dielectric Withstanding Voltage @ <0.5A (VAC/min): 1000  
Insulation Resistance @ 1000VDC/min (MΩ): 500

#### Compliance

RoHS II Directive (2011/65/EU & 2015/863)  
REACH (1907/2006)  
UL 94V-2

#### Part Options

D01-1M5ST | 8P8C Cat5e FTP Stranded Wire Plug  
D01-1M6ST | 8P8C Cat6/Cat6A FTP Stranded Wire Plug

#### Construction

##### Cat5e 8P8C (RJ45)

###### Contact

Material: Gold plated Phosphor Bronze  
Gold Plating: 50μ

###### Body

Material: Polycarbonate  
Entry Style: Round

###### Screen

Material: Nickel plated Brass

##### Cat6/Cat6A 8P8C (RJ45)

Material: Gold plated Phosphor Bronze  
Gold Plating: 50μ

###### Body

Material: Polycarbonate  
Entry Style: Round

###### Screen

Material: Nickel plated Brass

#### Important:

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