

Off-the-Shelf (OTS) KK 396 Discrete Wire Cable Assemblies >

OTS KK 396 Discrete Wire Cable Assemblies offer a 3.96mm pitch, a maximum current rating of 13.0A, and they are available in a variety of cable lengths to facilitate both prototyping and global preproduction

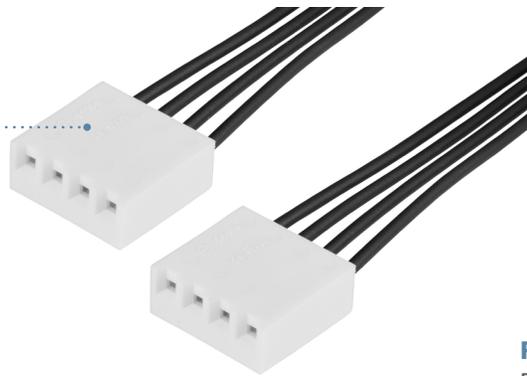


KK 396 Discrete Wire Cable Assemblies

FEATURES AND ADVANTAGES

High-temperature nylon housing

Withstands lead-free high temperature solder processing up to +260°C. Does not require the drying needs of normal nylon



Pin-to-pin mapping from receptacle to PCB header

Provides ready-to use, plug-and-play connections

Matte-tin over nickel plating

Inhibits tin whiskering



Reflow options available

Reducing labor costs, saving time and resources

Custom assemblies for production also available

Meets design needs after prototyping is complete. Molex's extensive design and manufacturing expertise can meet the unique challenges of the most demanding applications

UL 11028 discrete wires for cable assemblies

Ready to use in electronic appliance applications. Provide ease of design, prototyping and production

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MARKETS AND APPLICATIONS

Automotive

Control modules
Stereos

Consumer

Home appliances
-Washer/dryer
-Dishwashers
Fire/smoke detectors
HVAC
Gaming
Coin changers, ATM
Gaming consoles
Vending
Voting machines

Medical

Respirators
Blood warming bags

Data computing and Telecommunications/Networking

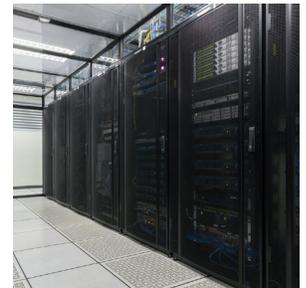
Scanners/multi-function machines
Printers
Workstations
Mainframes



Medical



Automotive



Telecommunication/Networking

SPECIFICATIONS*

Reference Information

Packaging: Bag; tape-and-reel
UL File No.: E29179
CSA File No.: LR19980
Mates With: any KK® 3.96mm
housing or PCB receptacle
Designed In: Millimeters
RoHS: Yes
Low Halogen: Yes
Glow Wire Compliant: Yes

Electrical

Voltage (max.): 600V
Current (max.): 13.0A
Contact Resistance (max.): 10mΩ
Dielectric Withstanding Voltage:
500V AC (RMS)
Insulation Resistance (min.):
1000MΩ

Mechanical

Contact Insertion Force: 17.8N
Contact Retention to Housing: 36.8N
Mating Force: 10.7N per circuit
Unmating Force: 3.4N per circuit
Durability (min.): 25 cycles

Physical

Physical
Housing: High-temperature Nylon
Contact: Brass
Plating:
Contact Area — Matte Tin (Sn) or
Select Gold (Au)
Solder Tail Area — Matte Tin (Sn)
Underplating — Nickel (Ni)
PCB Thickness: 1.60mm
Operating Temperature:
Brass: -40 to +80°C
Phosphor Bronze: -40 to +105°C

*Information is based on KK 396 connector specifications

www.molex.com/link/otscableassemblies.html