

Off-the-Shelf (OTS) KK2.54 Tin Discrete Cable Assemblies >

Off-the-Shelf (OTS) KK2.54 Tin Discrete Cable Assemblies offer three cable sizes (150.00, 300.00 and 600.00mm) and a variety of circuit sizes to facilitate both prototyping and global preproduction



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FEATURES AND ADVANTAGES

Dual-catlever terminal

Helps ensure reliable electrical contact and performance with low insertion force

Tape-and-reel packaging with pick-and-place caps available

Enables highly automated termination processing and accurate PCB placement

KK RPC headers offered in high-temperature nylon and reflow matte-tin plating

Allow for 260°C wave and reflow solder processing

Polarizing header backwalls, polarizing ribs on receptacles and polarizing pegs

Prevent accidental mis-mating during assembly



Friction-lock headers and receptacles

Help ensure secure mating and prevent accidental disengagement

Optional kinked PC tail

Maintains header positioning during soldering



MARKETS AND APPLICATIONS

Automotive

Interior lighting
Stereos
Window defrosters

Data/Telecommunications

Copiers
Mainframe computers
Multi-function scanners
Workstations

MedTech

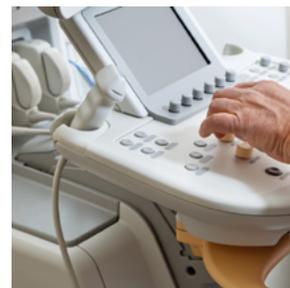
Dental equipment
Patient monitoring equipment
Portable diagnostics equipment

Consumer

Coin changers
Fire alarms/smoke detectors
Gaming equipment
Gaming systems
Home security devices
Home appliances
Slot machines



Home Appliances



Patient Monitoring Equipment



Copier

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SPECIFICATIONS

Reference Information

Packaging: Bulk (Connectors); Reels (Terminals)
 UL File No.: E29179
 CSA File No.: LR19980
 Use With: 22 AWG
 Insulation Diameter: 1.24 mm
 Designed In: Millimeters
 RoHS: Yes *
 Halogen Free: No *
 Glow Wire Compliant: No*
 IP Rating: N/A

Electrical

Voltage (max.): 500 VAC/(600 VDC)
 Current (max.): up to 4.0A
 Contact Resistance: 10 milliohms
 Dielectric Withstanding Voltage: 2000 VAC
 (Unmate connectors for 1 minute between adjacent terminals and between terminals to ground)*

Insulation Resistance: 5000 Megohms (min)*

Mechanical

Terminal Insertion Force (max.): 11.12N
 Terminal Retention to Housing (min.): 17.8N
 Mating Force (max.): 4.9N/circuit
 Unmating Force (min.): 0.56N/circuit
 Durability (max.): 25 Cycles

Physical

Housing: Nylon*
 Contact: Brass
 Plating: Tin
 Contact Area — Tin
 Underplating — N/A
 Operating Temperature: -40 to +105°C

*The specification is based on connector only

ORDERING INFORMATION

Part No.	Description	Size (mm)	Circuit size	UL	Cable Type
217796	KK 2.54 Tin SR R-R	150	2, 3, 4, 5, 6, 8, 10	UL 1028	22 AWG
		300			
217797	KK 2.54 Tin SR R-S	600			

www.molex.com/link/otscableassemblies.html