

USB Cables

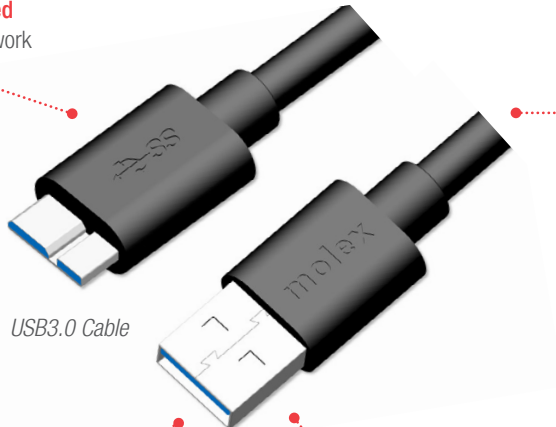
molex

High-performance fully shielded USB cables supporting up to 5 Gbps speed and offering superior reliability and durability, making them ideal for a variety of markets and applications

Features and Advantages

Up to 5 Gbps data speed

Ideal for high-speed network applications



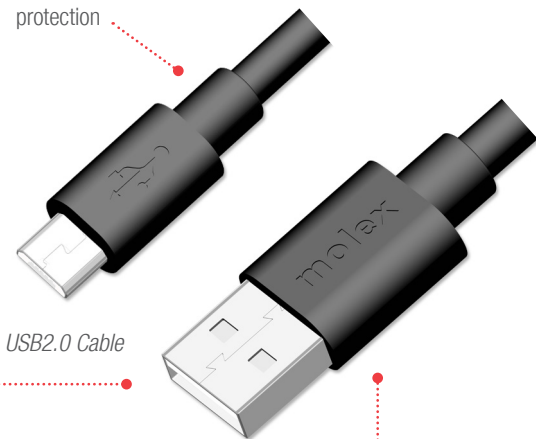
USB3.0 Cable

5,000 mating cycles

Delivers a high durability

Fully shielded

Provides EMI/RFI protection



USB2.0 Cable

Availability of different cable options meeting USB 2.0 and 3.0 speeds

Suits a variety of user-application requirements

10,000 mating cycles

Delivers high durability

Applications

Consumer

- Electronic watches
- Smartphones
- Digital cameras
- PCs/laptops
- Televisions
- Video games
- GPS systems



Electronic Watches



Smartphone / Wireless Charger



UAV (Drone)

Industrial and Commercial

- Printers
- ISDN
- UAV drones

Medical

- Medical devices

Datacom

- Servers
- Switches

Specifications

REFERENCE INFORMATION

Packaging: Tape and reel
 UL File No.: NA
 CSA File No.: NA
 Mates With:
 68768 series with
 47346/47491/47642/51387/67068
 68789 series with 48258/4839XX
 Terminal Used: Copper Alloy
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: No

ELECTRICAL

Voltage (max.): 30V AC/DC
 Current (max.):
 0.50A (68768)
 0.90A (68789)
 Contact Resistance (max.):
 30 Milliohms (initial); 50 Milliohms after test
 Dielectric Withstanding Voltage: 100V AC

MECHANICAL

Cable Assembly Housing: Overmolded type
 Plug Contact Retention to Housing:
 Insert-molded type
 Insertion Force to PCB: Zero insertion force
 Mating Force (max.): 35N
 Unmating Force:
 8N for Micro B Cable
 3N for Mini B Cable
 10N for Standard A & B series
 Durability (min.): 10,000 cycles for 68768; 5,000
 cycles for 68789

PHYSICAL

Housing: PVC, High Temperature
 Shield Case: Copper (Cu) Alloy
 Contact: Copper (Cu) Alloy
 Plating:
 Contact Area — Gold (Au)
 Solder Tail Area — Tin (Sn) Alloy
 Underplating — Nickel (Ni)
 Shield case — Tin (Sn) Alloy over Nickel (Ni)
 Operating Temperature: 0 to +50°C

Ordering Information

Series No.	Product	Product Configuration	Standard / Data Speed
68768	Standard Cable	USB A 2.0 to USB 2.0 B, USB 2.0 Micro B 2.0, USB 2.0 Mini B	USB 2.0
68789		USB A 3.0 Male to USB A 3.0 Female, USB B 3.0, USB Micro B 3.0	USB 3.0