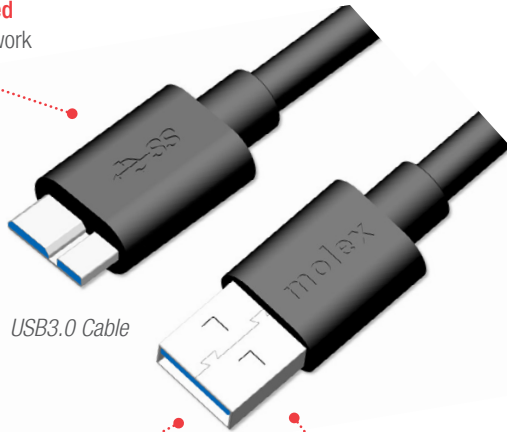


High-performance fully shielded USB cables supporting up to 5 Gbps speed and offering superior reliability and durability, making them ideal for a variety of markets and applications

## Features and Advantages

### Up to 5 Gbps data speed

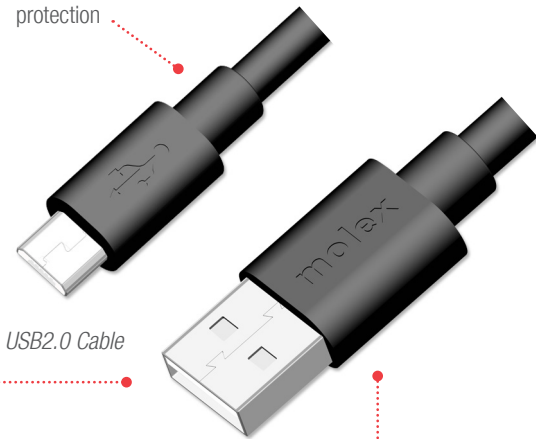
Ideal for high-speed network applications



USB3.0 Cable

### Fully shielded

Provides EMI/RFI protection



USB2.0 Cable

### 5,000 mating cycles

Delivers a high durability

### 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
<a href="#">68768</a>	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
<a href="#">68789</a>		USB A 3.0 Male to USB A 3.0 Female, USB B 3.0, USB Micro B 3.0	USB 3.0