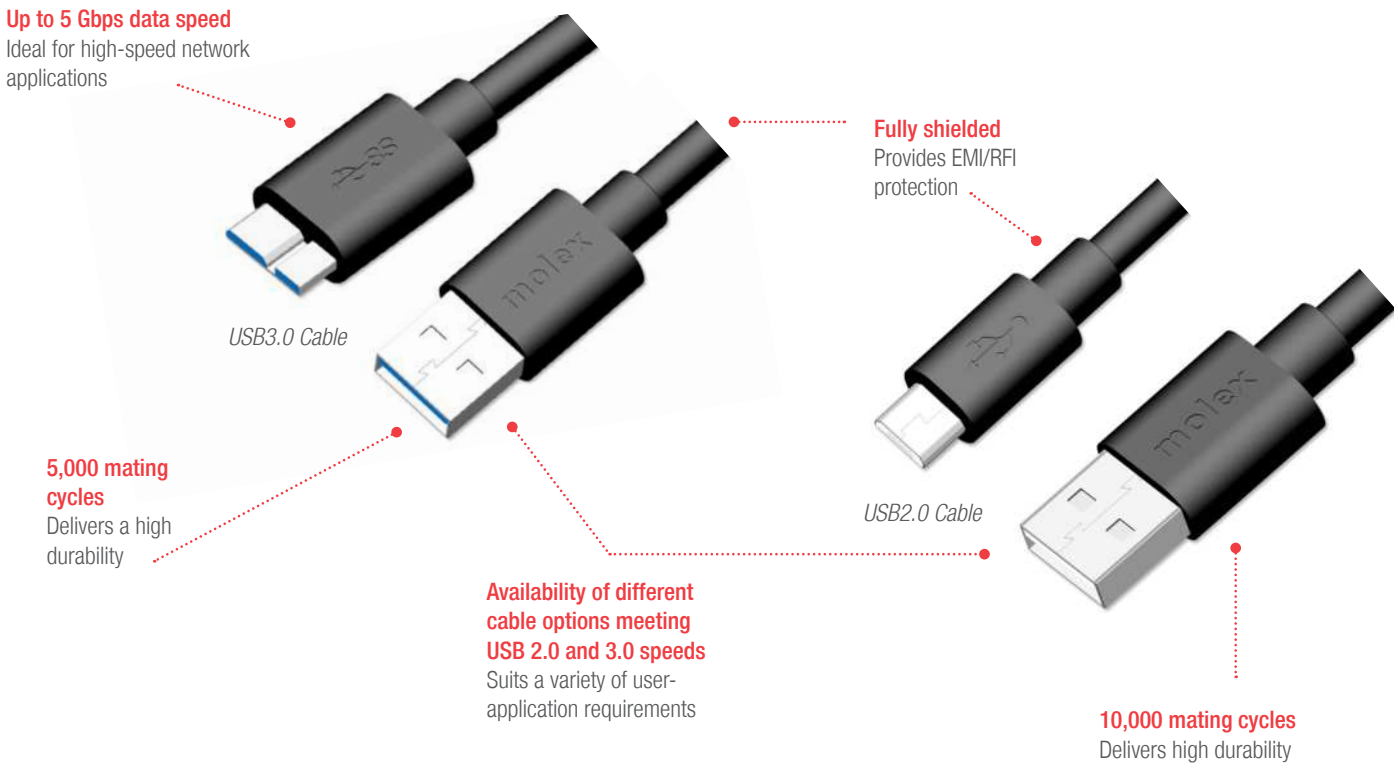
USB Cables

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



Applications

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

Industrial and Commercial
- Printers
- ISDN
- UAV drones

Medical
- Medical devices

Datacom
- Servers
- Switches



Electronic Watches


Smartphone / Wireless Charger


UAV (Drone)

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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 +50ºC

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

www.molex.com/link/usb-c.html

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