CABLE ASSEMBLIES

Where standard USB falls short, our IP67 solution steps in: dust- and water-resistant for industrial automation, medical technology, and outdoor use. Reliable connectivity

ASSMANN WSW's pre-assembled waterproof USB assemblies enable reliable data and power transmission across a wide range of industries—from mechanical engineering to medical technology—even in environments dominated by water, dust, and harsh conditions.

Design and Construction Features

- Custom cable lengths, cross-sections, and jacket materials—tailored to your application.
- Robust housings made of plastic (thermoplastic) or metal—metal versions often achieve IP68
- O-ring seals at the contact surfaces guarantee IP67 sealing when the connector is mated
- Rear-potted panel-mount receptacles protect the device even when the connector is unplugged
- Shielded cables with braided and foil shielding reduce electromagnetic interference from nearby machinery
- Protective caps for when the connector is not plugged in—many systems achieve IP67 only when plugged in or with the cap in place
- Shielded cables with braided and foil shielding reduce electromagnetic interference from nearby machinery

Typical Applications

- Industrial automation and mechanical engineering
- Food, pharmaceutical, and chemical industries
- Outdoor and maritime applications
- Medical and laboratory technology
- Transportation, electric vehicles (EVs), and commercial vehicles
- Measurement, control, and regulation technology
- Military and outdoor surveillance

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Your Benefits with a custom-assembled complete Solution

Instead of sourcing connectors, cables, and protective caps from various suppliers, ASSMANN WSW components provides you with a tested, documented, and ready-to-use solution from a single source. This reduces engineering effort, shortens supply chains, and ensures reliability during commissioning and maintenance. Each assembly is manufactured according to your specifications—including lengths, pin assignments, and custom markings.

Benefits at a Glance

High Availability

Corrosion- and moisture-resistant contacts for stable data flow around the clock

Flexibility

Available as USB 2.0, USB 3.x, and USB-C, with a wide variety of pin configurations

Robust Mechanics

Screw, push-pull, or snap-lock mechanisms to withstand vibration and tension

Variable Cables

PVC, PUR, or halogen-free, in various diameters and lengths

Future-Proof

USB-C assemblies support high data rates and Power Delivery

Do you have a specific project? Tell us the application, the required data rate, and the protection rating—we'll customize the right USB solution for you.
Contact us for a no-obligation quote and technical advice.

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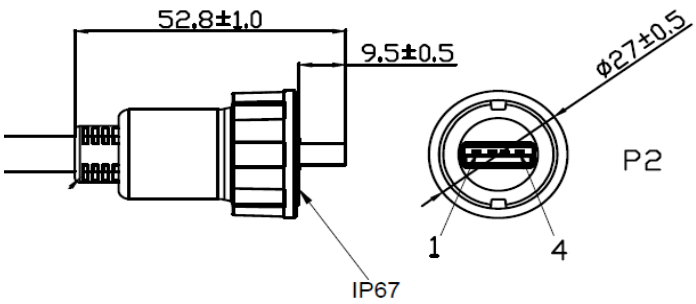
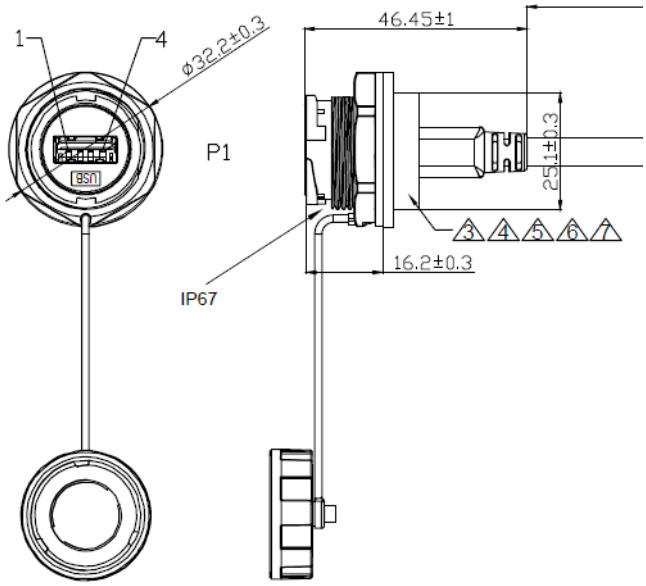
Type 1



Type 2



	AWSW order code	Length	Drawing
Type 1	A-USB20AM-AM-050-WP	500mm	ASS_11756_CA
	A-USB20AM-AM-100-WP	1000mm	
	A-USB20AM-AM-200-WP	2000mm	
	A-USB20AM-AM-300-WP	3000mm	
Type 2	A-USB20AF-AM-030-WP	300mm	ASS_11757_CA
	A-USB20AF-AM-050-WP	500mm	
	A-USB20AF-AM-100-WP	1000mm	
	A-USB20AF-AM-200-WP	2000mm	
	A-USB20AF-AM-300-WP	3000mm	
	A-USB20AF-AM-500-WP	5000mm	

ASSMANN WSW components

LEADING CUSTOMIZED CONNECTIVITY SOLUTIONS

CONNECTORS | THERMAL MANAGEMENT | CABLE ASSEMBLIES | CAPABILITIES

ASSMANN WSW components GmbH
Auf dem Schüffel 1,
D-58513 Lüdenscheid,
Germany
Phone: +49 (23 51) 5542 - 00

ASSMANN WSW components k.s.
Zahradnicka 1135,
SK 958 03 Partizanske,
Slovakia
Phone: +421 (3874) 7 141 - 5

ASSMANN WSW components Inc.
15001 S 50th St Building B
Suite 120, Phoenix, AZ 85044,
USA
Phone: +1 (480) 897 - 7001

ASSMANN WSW components Ltd.
Room 908, Zhong Zheng, NO.82, Dong Men Zhong RD, Changan Town, Dongguan City, Guangdong 523847, China
Phone: +86 (769) 8 542 620 - 1

info@assmann-wsw.com | www.assmann-wsw.com