

USB 2.0 Cables

USB 2.0 Type A Male to Type A Male, 480Mbps, PVC

SKU: UDC-AA20-XXXM

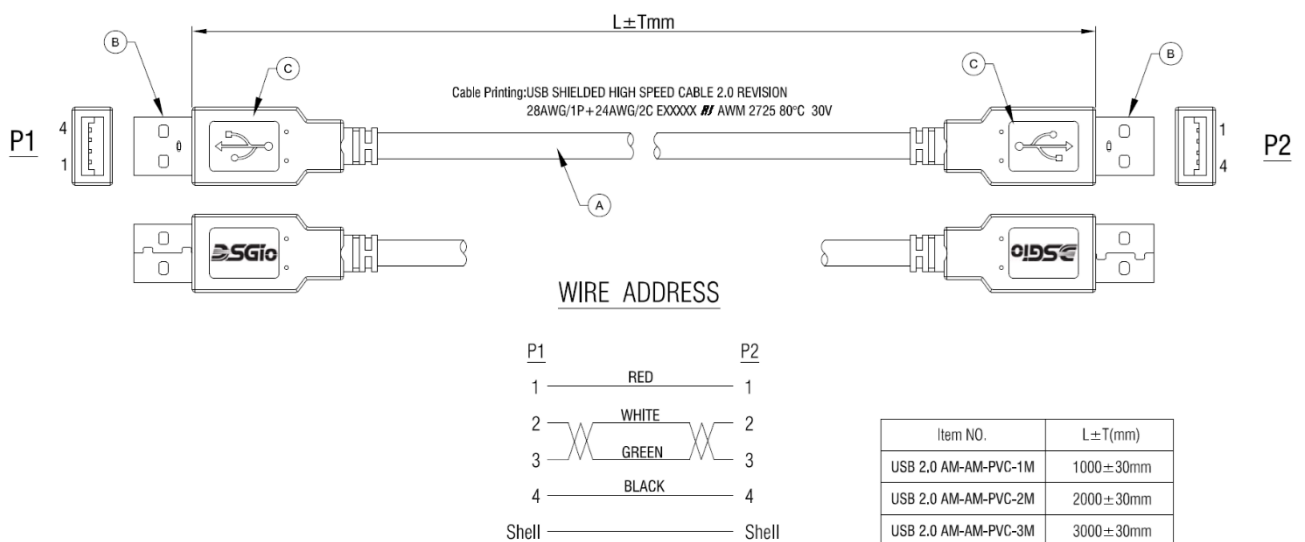
PRODUCT OVERVIEW

DSGio's **UDC-AA20-XXXM** USB 2.0 Type A Male to Type A Male cable offers a reliable and efficient solution for connecting computers and peripheral devices with USB Type A ports. Available in three lengths (1m, 2m, and 3m), this cable supports data transfer speeds of up to 480 Mbps and is fully backward compatible with USB 1.1 devices.

Constructed with a high-quality, durable black PVC jacket and featuring nickel-plated connectors, this cable is designed to withstand repeated use while maintaining a secure connection. The shielded, AL-Mylar foil wrapped cable ensures maximum data integrity, with no data loss, and protects against electromagnetic and radio frequency interference (EMI/RFI).

The cable is UL listed and RoHS compliant, making it a reliable and eco-friendly choice for your data transfer needs. Its molded strain reliefs provide added durability, ensuring long-lasting performance and protection from wear and tear.

CABLE CONSTRUCTION




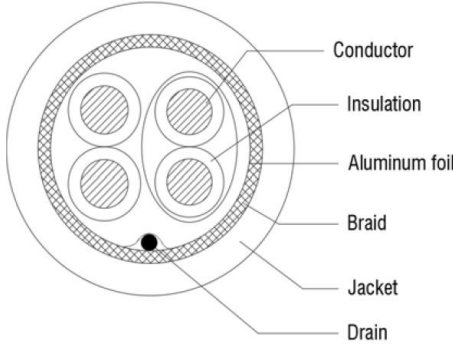
Electrical Test:

- 100% TEST OPEN SHORT MIS-WIRE.
- CONTACT RESISTANCE: 3Ω MAX.
- INSULATION RESISTANCE: 5MΩ MIN.
- HI-POT: 300V DC/10MS.
- Support USB 2.0 480Mbps.
- Support 5V/0.5A.

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PRODUCT SPECIFICATIONS

Parameter	Descriptions
Cable Specifications	UL2725*28AWG*1P+24AWG*2C+ADB, OD=5.0mm, Black PVC Jacket
USB Version	USB 2.0 (480Mbps), backward compatible with USB 1.1
Connector USB	Both Cable Ends - USB 2.0 Type A Male (4 pin, White Insulator, Shell Nickel Plated)
Cable Jacket Material	Black PVC - Polyvinyl Chloride
Cable Shield Material	Aluminium-Mylar Foil with Braid
Connector End	Black 45P PVC Mold
Outer Diameter	5.0mm
Wire Gauge	24/28 AWG
Cable Length	XXX m ± 30mm
Cable Construction	(1) 28 AWG twisted pair (Data - green, white) (2) 24 AWG conductors (Power - red and black)
Operating Temperature	0 ~ 60°C
Storage Temperature	-20 ~ 75°C
Operating Humidity	10% ~ 85% non-condensing
Standards	UL2725 USB Cable, RoHS Compliant
Marking Colour	White
Marking	USB SHIELDED HIGH SPEED CABLE 2.0 REVISION 28AWG/1P+24AWG/2C EXXXXXX  AWM 2725 80°C 30V

Cross Section	Electrical Characteristics
<p>USB 2.0 AM-AM</p> 	<p>Cable Impedance: $90 \pm 13.5 \Omega$</p> <p>Electrical Characteristics</p> <ol style="list-style-type: none"> Voltage Rating: 30V Temperature Rating: 80°C Spark Test: AC 1500V/0.15sec MIN Dielectric Strength: AC 500V/1sec MIN Insulation Resistance HDPE: DC-500V 100MΩ/KM MIN. at 20°C. FMPE: DC-500V 100 MΩ/KM MIN. at 20°C. Conductor Resistance: 28AWG - 239Ω/KM MAX at 20°C. 24AWG - 98.06Ω/KM MAX at 20°C.

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<p>RoHS Compliant</p> <p>Front shell:SPCC(Nickel Plated 80U^W)</p>	<p>Rear shell:SPCC(Nickel Plated 80U^W)</p>	<table border="1"> <thead> <tr> <th>ITEM</th> <th>DESC.</th> <th>MATERIAL</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Insulator terminal</td> <td>PBT C2680, T=0.20</td> <td>WH/BK/PK/PR G/F / Au5u^W</td> </tr> <tr> <td>2</td> <td>Front shell</td> <td>SPCC, T=0.30</td> <td>Ni80u^WMin</td> </tr> <tr> <td>1</td> <td>Rear shell</td> <td>SPCC, T=0.30</td> <td>Ni80u^WMin</td> </tr> </tbody> </table>	ITEM	DESC.	MATERIAL	REMARKS	3	Insulator terminal	PBT C2680, T=0.20	WH/BK/PK/PR G/F / Au5u ^W	2	Front shell	SPCC, T=0.30	Ni80u ^W Min	1	Rear shell	SPCC, T=0.30	Ni80u ^W Min
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<p>Insulator:PBT terminal:C2680</p>		<p>Note:</p> <ol style="list-style-type: none"> Electrical Characteristics: <ul style="list-style-type: none"> Specification: <ul style="list-style-type: none"> Contact Current Rating:1.8 Amperes for contacts 1&4, same time 0.5A for contacts 2&3 Dielectric Withstanding Voltage:AC 500V r.m.s. Insulation Resistance:1000MΩ Minimum. Contact Resistance:30mΩ Maximum. Mechanical Characteristics: <ul style="list-style-type: none"> Contact Insertion Force:35N Maximum. Contact Separation Force:10N Minimum. (Afrer 1500 Cycles) Environmental: <ul style="list-style-type: none"> Operating Temperature:-30$^{\circ}$ C~+80$^{\circ}$ C. Materials: <ul style="list-style-type: none"> Insulation:PBT Contact:C2680(t=0.20mm). Shell:SPCC . 																

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HANDLING AND INSTALLATION

This guide provides instructions for the proper handling and installation of the USB 2.0 Type A Male to Type A Male cable. This cable is designed to connect USB peripherals (e.g., printers, scanners) to a host computer or USB hub.

Product Usage

- **Cable Type:** USB 2.0 Type A Male to Type A Male
- **Function:** Connects USB device to a host computer or USB hub
- **Data Transfer Rate:** Up to 480 Mbps
- **Connector Type at Both Ends:** Standard Type A Male rectangular connector typically used on computers or hubs

Handling Instructions

To ensure the longevity and performance of the USB cable, follow these handling instructions:

1. **Avoid Physical Damage:** Do not bend, twist, or pull the cable excessively. Handle the cable by the connectors rather than the cable itself.
2. **Protect Connectors:** Keep the connectors free from dirt and moisture. Use connector covers when the cable is not in use.
3. **Prevent Cable Strain:** Ensure that the cable is routed in a way that prevents strain on the connectors. Use cable clips or ties if necessary to secure the cable in place.
4. **Avoid Extreme Temperatures:** Store and use the cable in a temperature range of 0°C to 50°C (32°F to 122°F). Avoid exposure to direct sunlight and high humidity.
5. **Do Not Expose to Chemicals:** Keep the cable away from harsh chemicals or solvents that could damage the insulation or connectors.

Installation Instructions

Follow these steps for correct installation:

1. **Verify Compatibility:** Ensure that both the USB host (e.g., computer, hub) and the peripheral device (e.g., printer, scanner, KVM switch or extender) support USB 2.0 and have appropriate Type A ports.
2. **Connect the Cable:**
 - **Type A Connector:** Insert the Type A male connector into the USB Type A port on the host device (computer or hub). Ensure that the connector is oriented correctly to avoid damage.

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- **Type A Connector:** Insert the other end of the Type A male connector into the USB Type A port on the peripheral device. Again, ensure proper orientation.
- 3. **Secure Connections:** Once connected, gently push the connectors into the ports until they are fully seated. The connectors should fit snugly without requiring excessive force.
- 4. **Check for Proper Function:** Once the cable is connected, check that the device is recognized by the host system. On most operating systems, you should see a notification or the device appearing in the device manager or settings.
- 5. **Cable Management:** If the cable is in a permanent installation, ensure that it is neatly routed and secured to avoid accidental disconnection or damage.

Troubleshooting

If you encounter issues with the USB cable:

1. **Device Not Recognized:** Check that the cable is fully inserted into both the host and peripheral ports. Restart the host device and try reconnecting the cable.
2. **Slow Data Transfer:** Ensure that both the host and peripheral support USB 2.0 and that no other devices are causing bandwidth congestion on the USB bus.
3. **Intermittent Connectivity:** Inspect the cable and connectors for physical damage. Try using the cable with a different port or device to isolate the issue.

Maintenance

1. **Regular Inspection:** Periodically inspect the cable for signs of wear or damage. Replace the cable if any issues are found.
2. **Cleaning:** Clean connectors with a soft, dry cloth if they become dirty. Do not use abrasive materials or liquids.

Safety Information

1. **Electrical Safety:** The cable operates at low voltage but avoid using it with damaged connectors or cables to prevent electrical hazards.
2. **Environmental Considerations:** Dispose of the cable in accordance with local electronic waste regulations.

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PACKAGE CONTENTS

- 1 x USB 2.0 Type A Male to Type A Male Cable (length based on selection)

WARRANTY

- Standard 3-Year Limited Warranty, unless otherwise specified by Sales.
- Optional Advance Replacement Warranty is available upon request

ORDERING INFORMATION

Part Number	Descriptions	Length
UDC-AA20-001M	USB 2.0 Type A Male to Type A Male, 480Mbps, PVC, 1m	1m
UDC-AA20-002M	USB 2.0 Type A Male to Type A Male, 480Mbps, PVC, 2m	2m
UDC-AA20-003M	USB 2.0 Type A Male to Type A Male, 480Mbps, PVC, 3m	3m

CONTACT INFORMATION

For more information, please visit our website or contact our customer service team:

- **Website:** www.dsgio.com
- **Email:** sales.apac@dsgio.com

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