USB 2.0 Cables

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

SKU: UDC-AA20-XXXM

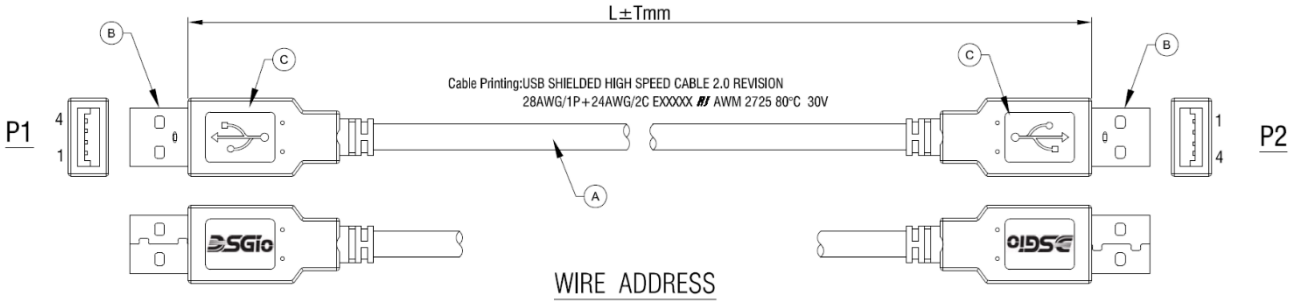
PRODUCT OVERVIEW

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 peripherals 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.

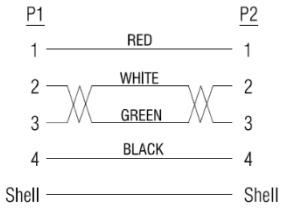
Constructed with a high-quality, durable black PVC jacket and featuring nickel-plated connectors, this cable is designed to withstand repeated use while maintaining a secure connection. The shielded, AL-Mylar foil wrapped cable ensures maximum data integrity, with no data loss, and protects against electromagnetic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



WIRE ADDRESS



Item NO.	L±T(mm)
USB 2.0 AM-AM-PVC-1M	1000±30mm
USB 2.0 AM-AM-PVC-2M	2000±30mm
USB 2.0 AM-AM-PVC-3M	3000±30mm

Electrical Test:

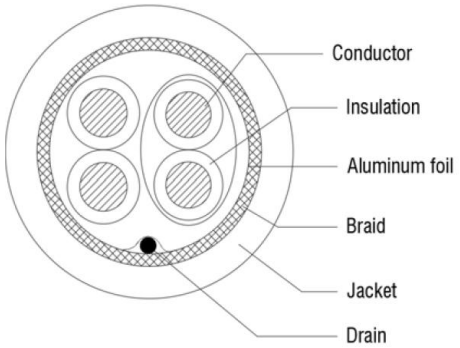
1. 100% TEST OPEN SHORT MIS-WIRE.
2. CONTACT RESISTANCE: 3Ω MAX.
3. INSULATION RESISTANCE: 5MΩ MIN.
4. HI-POT: 300V DC/10MS.
5. Support USB 2.0 480Mbps.
6. Support 5V/0.5A.

Label	Specifications
C	45P PVC BLACK
B	USB 2.0 A MALE (WHITE insulator, Shell Nickel Plated)
A	UL2725, 28#*1P+24#*2C+ADB, OD=5.0mm, BLACK PVC JACKET

USB 2.0 Cables

PRODUCT SPECIFICATIONS

Parameter	Descriptions
Cable Specifications	UL2725*28AWG*1P+24AWG*2C+ADB, OD=5.0mm, PVC Black 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 ~ 80°C
Operating Humidity	10% ~ 90% non-condensing
Standards	UL2725 USB Cable, RoHS Compliant
Marking Colour	White
Marking	USB SHIELDED HIGH SPEED CABLE 2.0 REVISION 28AWG/1P+24AWG/2C EXXXXX AWM 2725 80℃ 30V

Cross Section	Electrical Characteristics
USB 2.0 AM-AM  	Cable Impedance: 90±13.5Ω Electrical Characteristics 1. Voltage Rating: 30V 2. Temperature Rating: 80℃ 3. Spark Test: AC 1500V/0.15sec MIN 4. Dielectric Strength: AC 500V/1sec MIN 5. Insulation Resistance HDPE: DC-500V 100MΩ/KM MIN. at 20℃. FMPE: DC-500V 100 MΩ/KM MIN. at 20℃. 6. Conductor Resistance: 28AWG - 239Ω/KM MAX at 20℃. 24AWG - 98.06Ω/KM MAX at 20℃.

USB 2.0 Cables

RoHS Compliant

Front shell:SPCC(Nickel Plated 80U")

Rear shell:SPCC(Nickel Plated 80U")

ITEM	DESC.	MATERIAL	REMARKS
3	Insulator	PBT	WH/BK/PK/PR
	terminal	C2680,T=0.20	G/F /Au5u"
2	Front shell	SPCC , T=0.30	Ni80u"Min
1	Rear shell	SPCC , T=0.30	Ni80u"Min

Insulator:PBT
terminal:C2680

Note:

1. Electrical Characteristics:
   Specification:
   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.
2. Mechanical Characteristics:
   Contact Insertion Force:35N Maximum.
   Contact Separation Force:10N Minimum.(After 1500 Cycles)
3. Environmental:
   Operating Temperature:-30° C~+80° C.
4. Materials:
   Isulation:PBT
   Contact:C2680(t=0.20mm).
   Shell:SPCC .

USB 2.0 Cables

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.

- **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.

USB 2.0 Cables

PACKAGE CONTENTS

- 1 × 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

DISCLAIMER

DSGio shall not be liable for any damages, including punitive, consequential, or cost of cover damages, arising from any errors in the product information or specifications provided in this document. This document is subject to revision by DSGio at any time without prior notice.