

# DX07 Series Harness USB Type-C Cable Assembly

## USB Type-C Connector (Cable Harness)



The DX07 Series connectors are compatible with the next-generation USB specification "USB Type-C®" and are expected to become popular as a standard interface for various devices.  
«Product specifications are available for download on each product page»

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Note) USB Type-C®, USB-C® are trademarks of USB Implementers Forum, Inc.

## Features

- Compatible with Universal Serial Bus Type-C Specification Release 2.0
- Compatible with USB Power Delivery 3.0
- Compatible with SuperSpeed USB 10Gbps communication (USB 3.2 Gen2)
- Supports 100W (5A/20V) maximum power supply.  
(Compatible with USB Power Delivery Standard Power Range)
- Reversible plug structure with no need to worry about the plug orientation.
- Superior EMI/ EMC characteristics.
- Lock structure with superior durability.
- Realizes downsizing of hood.
- Available with a screw lock for securely fixing to the device housing.  
(The screw lock attachment dimensions conform to the screw lock USB Type-C standard.)

## Applications

Smartphones, tablets, notebook PCs, TV, monitor, gaming devices, external storage mediums, digital cameras, and other small portable devices and industrial equipment

## General Specifications

Connector Type	Type-C Plug on Both Ends
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<b>Material / Color</b> <b>(hood, bushing, and cable jacket)</b>	PVC / Black TPE / Black
<b>No. of Contacts for Plug</b>	24 pos.
<b>Rated Current</b>	USB 3.2 Gen 2: 5 A max. USB 3.2 Gen 1: 3 A max.
<b>Rated Voltage</b>	AC 20 Vr.m.s.
<b>Contact Resistance</b>	40 milliohm max. (Initial)
<b>Dielectric Withstanding Voltage</b>	AC 40 Vr.m.s. (for 1 minute)
<b>Insulation Resistance</b>	10 megohm min. (Initial)
<b>Durability Mating Cycles</b>	10,000 times
<b>Operating Temperature Range</b>	PVC: +10 deg.C to +40 deg.C TPE: -20 deg.C to +50 deg.C
<b>Connector Type</b>	<b>DX07 Cable Harness with Screw Lock</b>
<b>Material / Color</b> <b>(hood, bushing, and cable jacket)</b>	TPE / Black
<b>No. of Contacts for Plug</b>	24 pos.
<b>Rated Current</b>	USB 3.2 Gen 2: 5 A max. USB 3.2 Gen 1: 3 A max.
<b>Rated Voltage</b>	AC 20 Vr.m.s.
<b>Contact Resistance</b>	40 milliohm max. (Initial)
<b>Dielectric Withstanding Voltage</b>	AC 40 Vr.m.s. (for 1 minute)
<b>Insulation Resistance</b>	10 megohm min. (Initial)

<b>Durability Mating Cycles</b>	10,000 times
<b>Operating Temperature Range</b>	-20 deg.C to +50 deg.C
<b>Connector Type</b>	<b>Type-C Plug to USB3.1 Standard-A Plug Cable Harness</b>
<b>Material / Color (hood, bushing, and cable jacket)</b>	PVC / Black TPE / Black
<b>No. of Contacts for Plug</b>	USB Type-C side: 24 pos. USB 3.2 Standard-A side: 9 pos.
<b>Rated Current</b>	3 A max.
<b>Rated Voltage</b>	AC 20 Vr.m.s.
<b>Contact Resistance</b>	USB Type-C side: 40 milliohm max. (Initial) USB 3.1 Standard-A side: 50 milliohm max. (Initial)
<b>Dielectric Withstanding Voltage</b>	AC 40 Vr.m.s. (for 1 minute)
<b>Insulation Resistance</b>	10 megohm min. (Initial)
<b>Durability Mating Cycles</b>	USB Type-C side: 10,000 times USB 3.1 Standard-A side: 1,500 times
<b>Operating Temperature Range</b>	PVC: +10 deg.C to +40 deg.C TPE: -20 deg.C to +50 deg.C

#### Notice

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For purchase, a product specification must be agreed upon.
2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.

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\* Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster evention equipment, etc.

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