



a.e.c.

A key player in the automotive electric new developments

USB
Data Cables - LVDS, GT/MUF

USB

Data Cables
LVDS
GT/MUF

We learned how to produce **high quality data cables**, where customer needs are greatest.

We are ready to follow the demands of new markets with the use of **new conductors**, **multiple polarizations** and **cable outlets**, as always giving personalized service and timely deliveries.

ASSEMBLY



8.0080.xxx

**USB DATA CABLE
ASSEMBLY**
4 Pole cable
2xAWG20 + 2xAWG28 + DW



8.0081.xxx

**USB DATA CABLE
ASSEMBLY**
4 Pole cable
2xAWG26 + 2xAWG28 + DW



8.0083.xxx

**USB DATA CABLE
ASSEMBLY**
5 Pole cable
2xAWG20 + 3xAWG28 + DW



8.0084.xxx

USB DATA CABLE
5 Pole cable
2xAWG24 + 3xAWG28



8.0085.xxx

USB DATA CABLE
4 Pole cable
2xAWG24 + 2xAWG28



USB

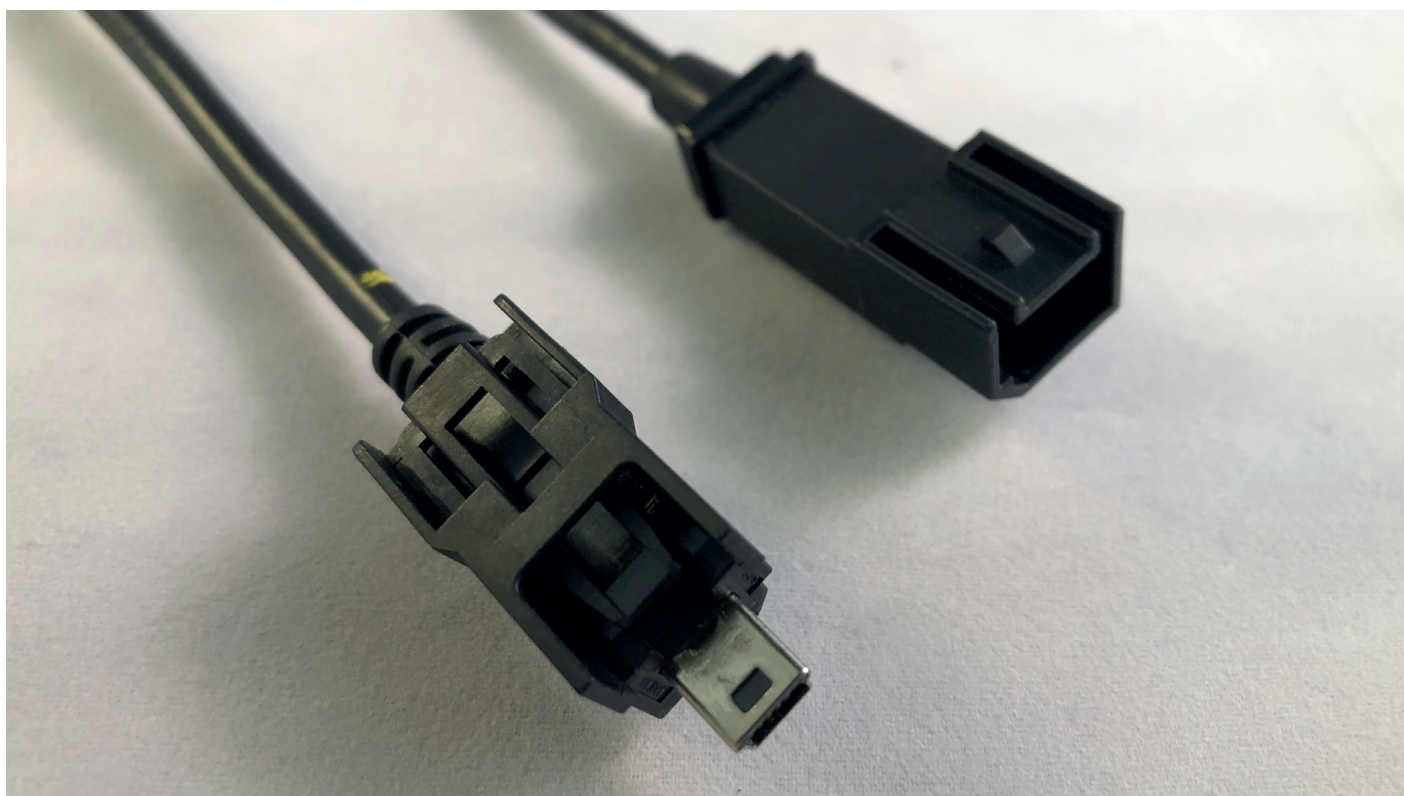
Mini-B
2.0

USCAR-30 compliant solution, data rates up to 480 Mbps, reduced Electro-Magnetic Interference (EMI).

- MULTIPLE INDEXES FOR ERROR PROOF ASSEMBLY
- POSITIVE ALIGNMENT FOR CONSISTENT ASSEMBLY
- SCOOP-PROOF
- IN-LINE OR 90° CABLE EXIT, LEFT OR RIGHT SIDE OR 60/40
- MINI-B POLARIZATIONS : A, B, C, D, E, F, G, J
- COLOR CODINGS: BLACK, GRAY, BROWN, BLUE,
- PLUG TO PLUG OR PLUG TO RECEPTACLE CABLE ASSEMBLIES
- PLUG TO STANDARD "A" PLUG OR RECEPTACLE

Technical Datas

- Voltage Vmax: 30 VAC
- Current I_{max} : 1.0 A (per contact)
- Contact resistance : 20 mΩ
- Dielectric W. Voltage: 500VAC
- Insulation Resistance : >100 MΩ
- Operating temperature -40° to +105°C
- High performance copper alloy contacts with >0.7 m gold plating
- Housing PA GF
- 4/5 positions Assembly AEC code # 8.008*.***



USB

DCS-12
INTERCONNECTION
SYSTEM

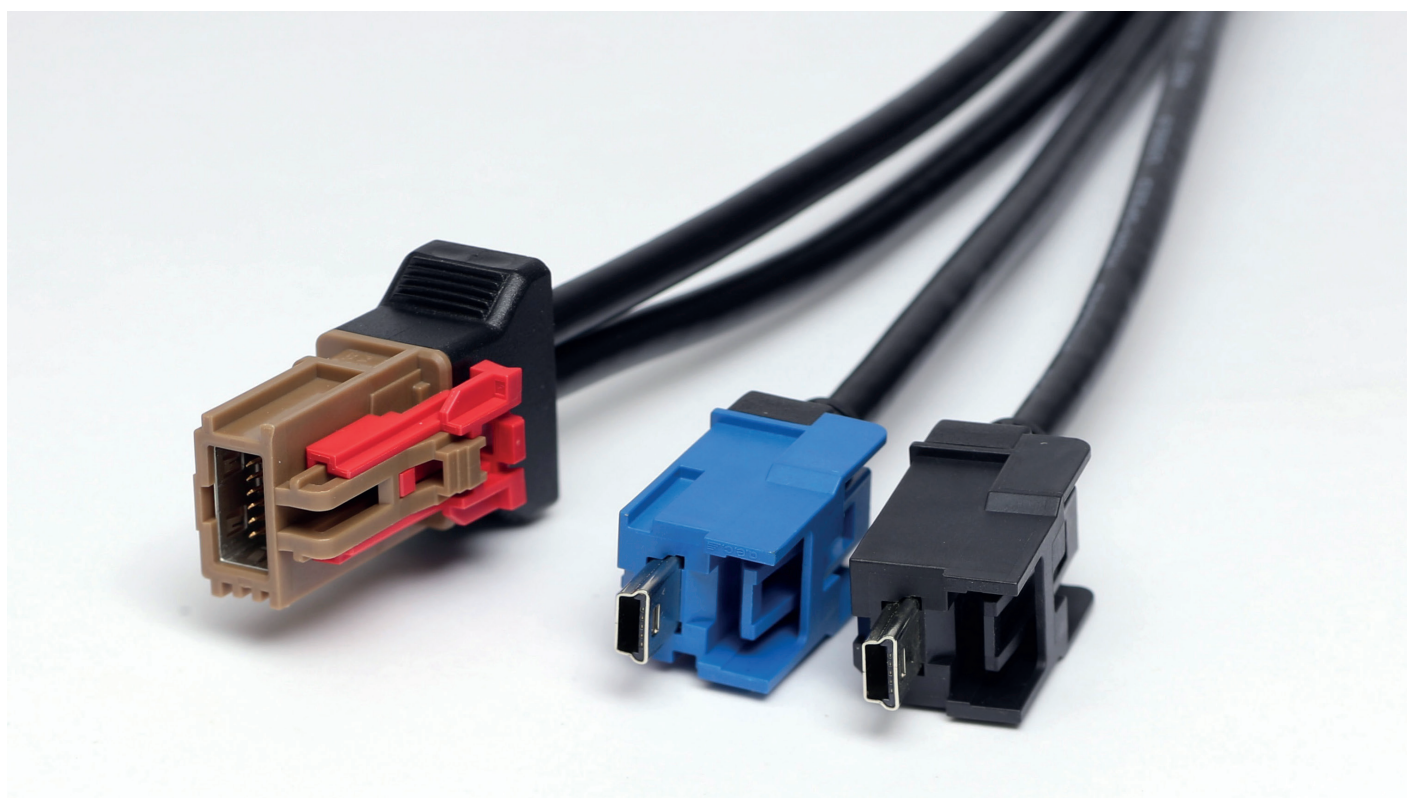
New AEC Data Connectivity System cable assembly's portfolio.

AEC DCS-12 is a **High-Speed media connection system** also applicable for USB 2.0 and 3.0 protocol. It has a very compact design with very low insertion forces. It's a fully shielded connection for a perfect signal transmission and efficient EMI protection.

Ideal for passenger cars and all industrial vehicles infotainment, navigation systems and telematics devices.

Technical Datas

- Voltage Vmax: 36 V
- Current Imax : 1.5 A (continuous per contact)
- Contact resistance : 20 mΩ
- Dielectric W.Voltage: 500VAC
- Insulation Resistance : >100 MΩ
- Operating temperature -40° to +105°C
- High performance copper alloy contacts with >0.4 μm gold plating
- PBT GF Connector over-molded with CPA
- Standard AEC Shielded Cable (2x24,3x28AWG) code #0.2600.069
- 12 positions Assembly AEC code # 8.0184.*** with 1-2 cables out



HSD

INTERCONNECTION
SYSTEM
(High Speed Data)

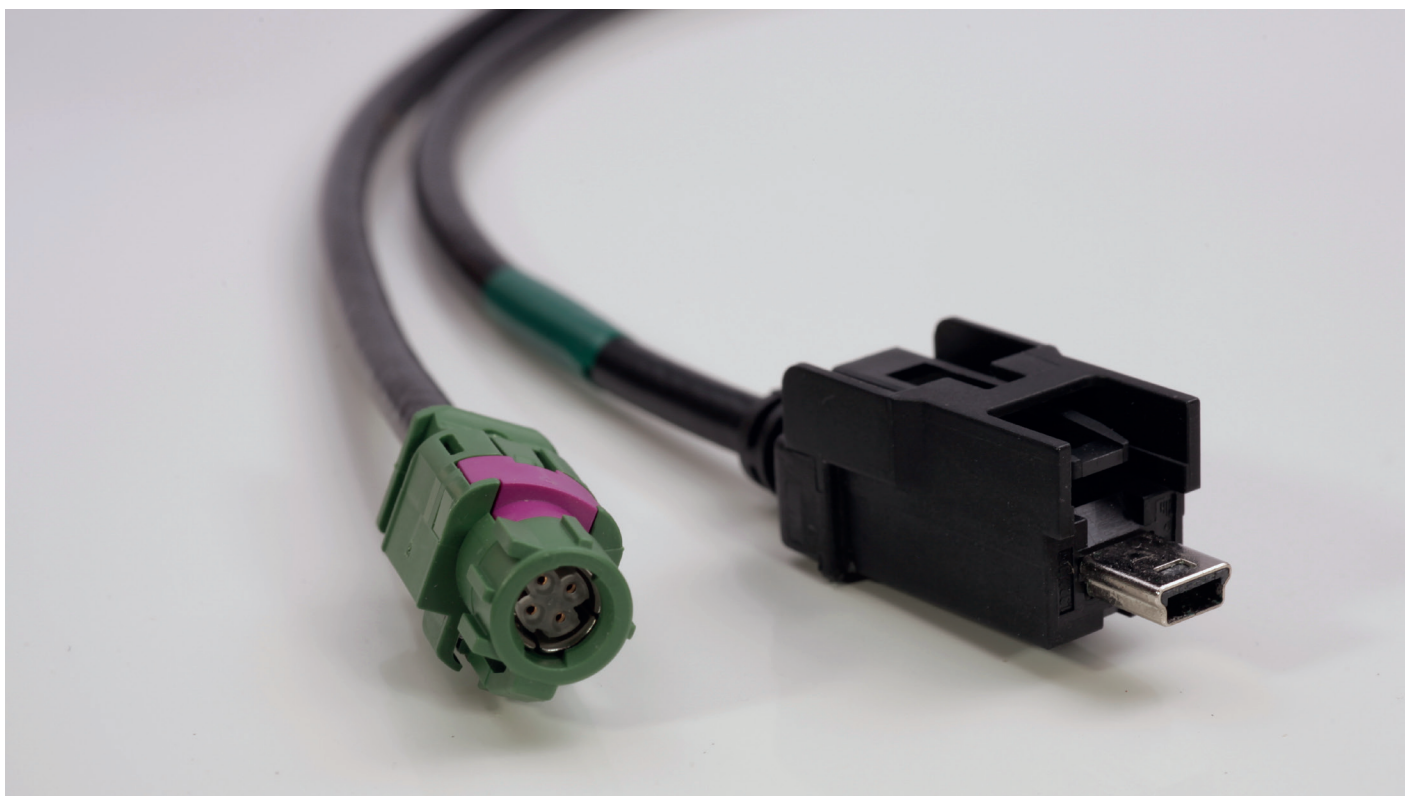
New AEC Data Connectivity System cable assembly's portfolio.

HSD is a High-Speed media 100 Ohm connecting system for differential, digital data transmission.

- LVDS CAMERA: 200 MBPS/PAIR
- USB 2.0: 480 MBPS
- IEEE 1394B (FIREWIRE): 800 MBPS/PAIR (1.6GBPS TOTAL)

Technical Datas

- It has a very compact design with very low insertion forces
- It's a four contact system with a shielded cable standard (4x 0,14 mm2) or for higher power (4x0,50 mm2)
- Plug & Socket connectors straight or right angle versions
- New housings with MQS terminals cavities 2, 4,8 ways
- Also available in water-proof option
- AEC Cable assemblies could be HSD-HSD or mixed
 - with Mini-B, USB standard "A" or other connectors
- AEC HSD Assembly code # 8.0090.***



Wiring the future according to **A.E.C.** 

A.E.C. S.r.l.
Automotive Components & Cable Harnesses

Strada del Francese, 99 - 10156 Torino Italia
+39 011 4501021
+39 011 4503525
info@aecsrl.it
www.aecsrl.it