



# CABLES & INTERCONNECT FOR DISPLAY CONNECTIONS



- > Full HD television
- > HD ready displays
- > LCD & Flat Displays
- > Monitors
- > POS terminals
- > Touch screens

CONTACT & VISIT AXON' WEBSITES

[www.axon-cable.com](http://www.axon-cable.com) ● [www.lvds-connectors.com](http://www.lvds-connectors.com)

AXON'CABLE offers Flat Flexible Cables (FFC) for board-to-board interconnection and Flat Cable Assemblies for board-to-display interconnection including :

- Monitors and displays from 4" to 12", 26", 32", 42", 52", 60",
- High-definition flat-panel displays using both emissive and liquid-crystal technologies,
- Flexible displays,
- Large-area projection-display systems,

for consumer electronics, automotive, household appliances, military, aeronautics and medical applications.

Its manufacturing units in America, Europe and Asia enable AXON'CABLE to deliver prototypes and large or small production volumes.

## Flat cable assemblies

### LVDS FLAT FLEXIBLE CABLES

- 100  $\Omega$  shielded FFC for FI-R connectors : 21, 31, 41 and 51 ways, 0.50 mm pitch.
- 100  $\Omega$  shielded FFC for ZIF connectors (for example FH41) : 50, 60 and 80 ways, 0.50 mm pitch.
- For full HD televisions and HD ready displays based on the LVDS (Low Voltage Differential Signaling) standard.

### FDC-FLAT DISPLAY CONNECTIONS

- Designed for board-to-display interconnections.
- Made of standard FFC and connectors such as DF-9, DF-19, FI-SE or FI-X at one or both ends (LVDS use).
- Available pitches : 0.50 mm, 1.00 mm, 1.25 mm.

## Flat flexible cables

### FFC-FLAT FLEXIBLE CABLES

- Designed for board-to-board interconnections.
- Made up of flat conductors insulated with Polyester or Polyimide tapes, from 0.30 to 2.54 mm pitch.
- Custom designed FFC incorporating folds, shields, notches, slitting, marking or special mounting methods.

### GOLD PLATED FLAT FLEXIBLE CABLES

A fine gold coating on the exposed ends guarantees the absence of tin whiskers. AXON' can offer stripped gold tipped flat cables in different pitches compatible with a large range of gold contact connectors.

## Miniature coaxial assemblies

### ULTRA MINIATURE COAXIAL ASSEMBLIES

Complete range of miniature flexible coaxial cables, with outer diameter down to 0.20 mm and high performance.

Can be directly connected to PCB with ZIF/LIF connectors. Used where a large number of signals have to be transmitted with no interference.

### LOW LOSS COAXIAL & INTERCONNECT FOR WIRELESS TRANSMISSION

Range of miniature coaxial cables to meet the electrical performance of the wireless protocols such as Bluetooth®, Wi-Fi IEEE 802.11 a, b, g up to 6 GHz, Ultra Wide Band up to 12 GHz. Connection of the antenna to the equipment's motherboard.

### SHIELDING EXPERTISE

AXON' offers two types of shielded Flat Flexible Cables :

- cables shielded with aluminium tape.
  - cables shielded by a conductive silver paint and a protective varnish.
- Shield grounding to one or several conductors is possible, irrespective of the type of shielding.



> FDC 100° - FFC - LVDS CABLE ASSEMBLY



> FLAT DISPLAY CONNECTIONS



> FLAT FLEXIBLE CABLES



> GOLD PLATING AT EXPOSED ENDS



> MINIATURE COAXIAL ASSEMBLIES



> LOW LOSS COAXIAL CABLE



> SHIELDING WITH CONDUCTIVE SILVER PAINT