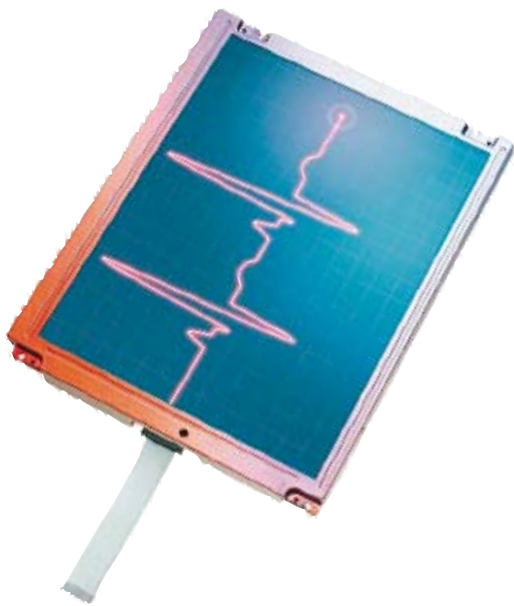




Flat Flexible cables and flat cable assemblies FOR FLAT MEDICAL DISPLAYS



AXON' CABLE offers flat flexible cables for board-to-board interconnection and Flat Display Connections for board to display interconnections for flat displays of medical devices including :

- Flat displays in operating theatre and in surgeries,
- Flat displays for endoscopy or operative microscopy,
- Flat displays for patient monitoring, etc.

■ FLAT FLEXIBLE CABLES

Designed for board-to-board interconnections, AXOJUMP® Flat Flexible Cables are made up of bare, tin plated or gold plated copper flat conductors.

They are insulated with polyester or polyimide.

The termination of Flat Flexible Cables is made :

- either with ZIF (Zero Insertion Force) / LIF (Low Insertion Force) connectors : the cables are equipped with reinforcement tape to strengthen the ends,
- or by soldering (e.g. hot bar),
- or with crimped contacts,
- or with AXON' FDC 100® connectors for 100 Ω LVDS.

Advantages

AXOJUMP® flat flexible cables offer many advantages :

- Extremely small dimensions : low profile, narrow width, fine pitch (pitches from 0.30 mm to 2.54 mm),
- Easy and fast installation : time saving, cost reduction,
- Compatible with ZIF/LIF connectors,
- Excellent flexibility and flex life,
- Flat flexible cables can be shielded for a better electromagnetic protection.

Custom design flat flexible cables

AXON' CABLE offers custom designed Flat Flexible Cables incorporating folds, special insulating materials, crimped contacts, punching, ferrites, marking, stripping, etc.





Flat flexible cables and flat cable assemblies

FOR FLAT MEDICAL DISPLAYS

■ FDC- FLAT DISPLAY CONNECTIONS

FDC-Flat Display Connections AXOLINK® have been designed for board to display interconnections. They consist of our standard Flat Flexible Cable AXOJUMP® and connectors such as :

DF-9, DF-19,FI-SE or FI-X connectors at one or both ends.

Advantages

- Low profile (pitches : 0.50 mm,1.00 mm, 1.25 mm)
- They can be used for all board to flat panel display interconnects where the FPDI/VESA (Flat Panel Display Interface/ Video Electronics Standards Association) standard is specified. Lengths on request but also standardised lengths for a quicker service.

■ FDC 100® - LVDS

AXON' CABLE has patented FDC100® shielded flat flexible cables with controlled impedance terminated with connectors compatible with FI-R or FI-X connectors. They have been designed to interconnect the motherboard to the HD flat display using the LVDS standard (for example 42", 52" and 60" with a resolution of 1920x1080). FDC100® assemblies are made with a gold plated copper flat flexible cable and an AXON' connector. They can be offered in 0.50 mm pitch (41 and 51 ways) and 1.00 mm pitch (30 ways).

Advantages

- Low profile (pitches : 0.50 mm, 1.00 mm),
 - Reliable,
 - Low cost,
 - 100 ohm impedance,
 - Can be folded for easy integration mounting,
 - Excellent high speed signal transmission (LVDS),
- Terminated with AXON' connectors : they are characterised by a simple and original connection system : the shielding of the flat cable is used to make the connection into the FI-R receptacle.



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