

Title (en)
Connector arrangement

Title (de)
Verbinderseinrichtung

Title (fr)
Agencement de connecteurs

Publication
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Application
EP 03025375 A 20031104

Priority
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Abstract (en)
The present invention relates to a connector arrangement having a connector and a corresponding mating connector for electrical connection of at least two multi-core cables, the cables comprising at least two core pairs allowing symmetrical transmission of time-variable differential signals on each core pair, and the connector comprising a connector housing and the mating connector comprising a mating connector housing, each of which comprise contact elements which engage in one another when plugged together. In order to provide a connector arrangement and an associated assembly method which exhibit improved transmission parameters and in particular reduce cross-talk to a minimum and moreover are economic to produce with regard to both cost and materials, the spatial arrangement of the core ends and the associated mating contact elements in the connector housing and in the mating connector housing corresponds to the spatial arrangement of the core pairs in the cables. The two core ends and the associated contact elements of each core pair are arranged approximately equidistantly relative to each core end and the associated contact elements of at least one of the other core pairs. <IMAGE>

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