

Title: LL400 4 channel

Product number: LL400

Brochure Number:

General:

Operation: The LL400 is a multiplexer used to combine 4-channels of high speed RS232 synchronous or 16-channels of RS232 asynchronous data into a high-speed serial data stream. The receiving side then demultiplexes the high-speed data stream into the separate corresponding channels. The unit has only four DB25 plugs on the back, and so, if more than four asynchronous channels are to be sent, the user will require the "octopus cable" which is used to split each of the synchronous channels into four asynchronous channels. These "octopus cables" are available from the distributor.

The reason why fibre optics is used is because data can be sent in the form of high-speed light pulses over many kilometres without loss. A distance of 25km can be reached on single-mode fibre, depending on the optics used.

