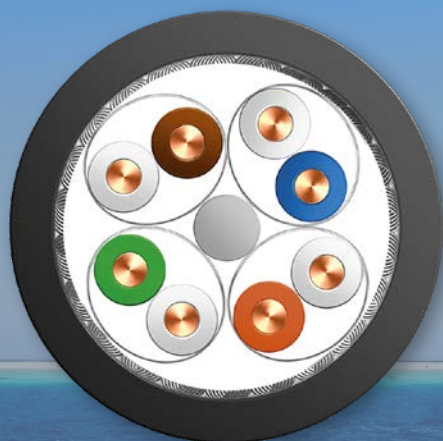


LEONI *productreport*

Possible uses of LEONI Ethernet cables for PoE (Power over Ethernet) 01/2020



Possible uses of LEONI Ethernet cables for PoE (Power over Ethernet)

Ethernet cables are increasingly being used not only to transfer data, but additionally also to supply power to connected devices. This technology is called Power over Ethernet – abbreviated PoE.

The aim here is to present some of the technical conditions for facilitating optimum use of LEONI Ethernet cables.

The key advantage of PoE technology is that it dispenses with the need to lay a power supply cable alongside the Ethernet cable. Depending which cables and what devices are used, output of 15 W (PoE) or 30 W (PoE+) is possible via 4-pair data wiring; in the case of 4PPoE power supply of even up to 100 W (PoE++). This makes it easier to fit and run, for example, IP cameras, Bluetooth devices, IP phones, small servers or hubs.