

Product **FOCUS**

Efficiency in Automation

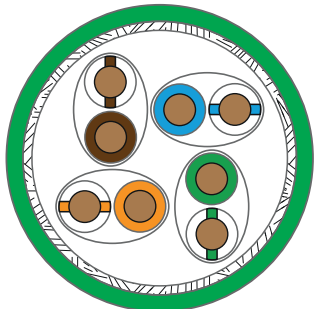
Cable

Connectivity

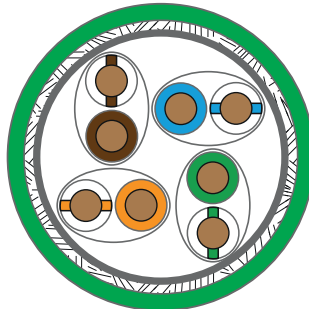
Cabinet

Control

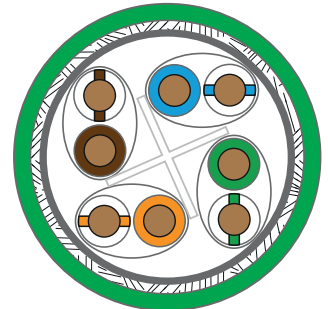
Industrial Ethernet cables in automation applications



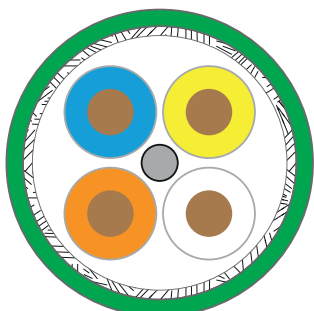
S/UTP



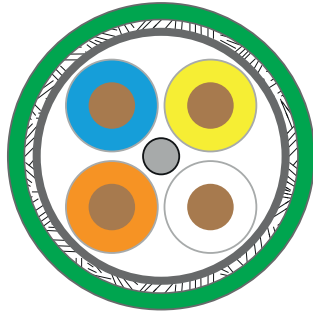
SF/UTP



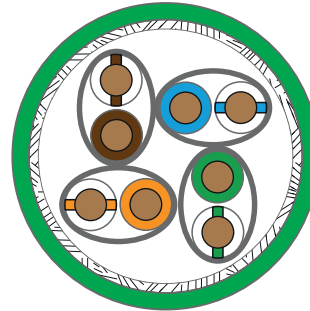
SF/UTP
with cross element



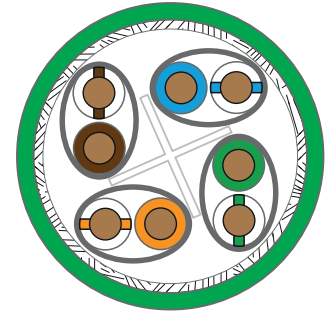
S/UTQ (Quad)



SF/UTQ (Quad)



S/FTP



S/FTP
with cross element

LÜTZE ETHERNET Cables

We recommend shielded industrial Ethernet cable, such as LÜTZE ETHERNET cable, for use in industrial environment to ensure secure connectivity. Motors and other electrical noise producing devices are often located in close proximity to network cabling. EMI (Electro Magnetic Interference) and RFI (Radio Frequency Interference) can distort data transmission on copper-based network cable. To lessen or eliminate interference, called alien-crosstalk, the use of shielded industrial cable and connectors is recommended.

	CAT 6	CAT 6a
Class	E	Ea
Construction	4 pair (26 AWG)	4 pair (26 AWG)
Speed	10/100/1000 Mbit/s	10/100/1000/10000 Mbit/s
LAN Applications (max.)	10BASE-T 100BASE-TX 1000BASE-T 10BASE-T	10BASE-T 100BASE-TX 1000BASE-T 10GBASE-T
Nominal Impedance	100 Ohm	100 Ohm
Bandwidth	250 MHz	500 MHz
max. length	100 m (10BASE-T) 100 m (100BASE-TX) 100 m (1000BASE-T)	100 m (10BASE-T) 100 m (100BASE-TX) 100 m (1000BASE-T) 100 m (10GBASE-T)
CAT compatibility	CAT 5, CAT 5e	CAT 5, CAT 6
ISO/IEC standard	ISO/IEC 11801	Modification 1 ISO/IEC 11801
ANSI/TIA standard	ANSI/TIA-568-C.2	ANSI/TIA-568-C.2

www.lutze.co.uk

Lütze Limited. 3 Sandy Hill Park, Sandy Way, Tamworth, Staffordshire, B77 4DU. T 01827 313 330 F 01827 313 332 sales.gb@lutze.co.uk