Product FOCUS

Efficiency in Automation
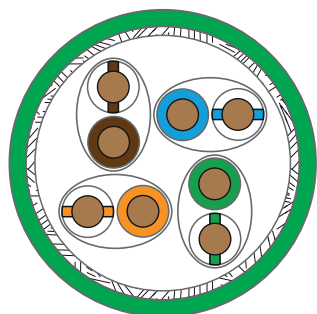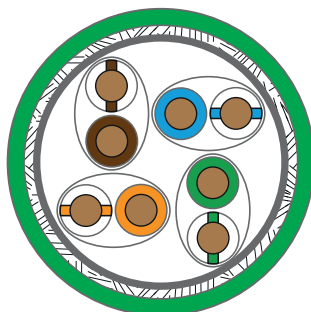
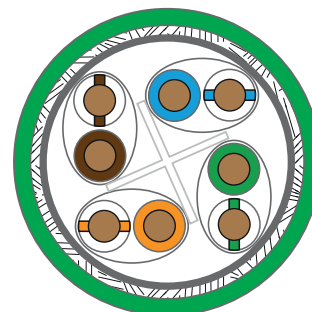| Cable | Connectivity | Cabinet | Control |

Industrial Ethernet cables
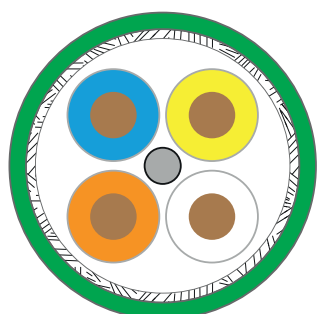## in automation applications
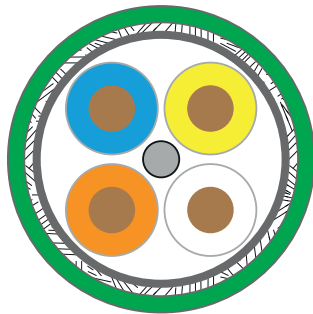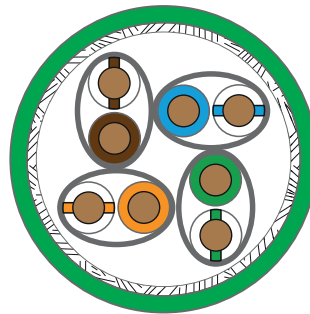

S/UTP

SF/UTP

SF/UTP
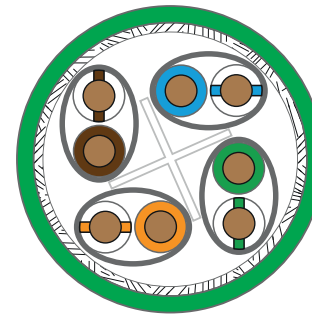with cross element

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 5	CAT 5e
Class	D	De
Construction	2 pair (AWG 24, AWG 26)	4 pair (AWG 24, AWG 26)
Speed	10/100 Mbit/s	10/100/1000 Mbit/s
LAN Applications (max.)	10BASE-T (2 pair) 100BASE-TX (2 pair)	10BASE-T (2 pair) 100BASE-TX (2 pair) 1000BASE-T (4 pair)
Nominal Impedance	100 Ohm	100 Ohm
Bandwidth	100 MHz	100 MHz
max. lenght	100 m (10BASE-T) 100 m (100BASE-TX)	100 m (10BASE-T) 100 m (100BASE-TX) 100 m (1000BASE-T)
CAT compatibility	CAT 5	CAT 5
ISO/IEC standard	ISO/IEC 11801	ISO/IEC 11801
ANSI/TIA standard	ANSI/TIA-568-B	ANSI/TIA-568-C.2