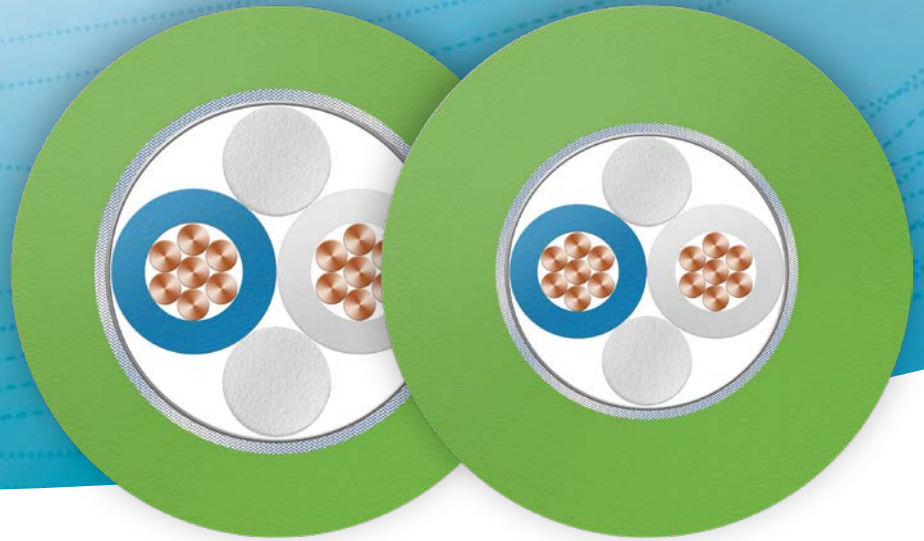


# FieldLink®

## Single pair Ethernet cables



Single pair  
Ethernet cables for  
industrial communication

### Characteristics:

- Performance  
up to 1 GBit/s at 600MHz
- Data transmission  
up to 40 meters (1 GBit/s)  
and up to 1000 meters (10 MBit/s)
- Suitable for drag chains  
and torsional applications
- Oil resistant
- Designed for harsh industrial  
environments
- Support of PoDL  
(Power over Data Line)
- Various jacket materials available:  
PUR, FRNC, PVC, FEP
- UL and CSA / CPR approved

**With the new SPE cable family, LEONI offers a solution for every application. According to the IEC 61156-x standard, the product portfolio comprises trailing, torsion and robotic cables as well as special solutions which combine the single pair Ethernet features with various other elements to form hybrid cables.**



The LEONI product range includes the two basic types with 22 AWG and 26 AWG conductors. The 22 AWG solution is characterised by particularly good attenuation. The cable with 26 AWG is suitable for applications with small space.



INDUSTRIAL  
PARTNER  
NETWORK

# LEONI

## Technical data

		
<b>Conductor</b>	Stranded bare copper wire ø 0.76 mm (0.030 in) Insulation of foamed Polyethylene (PE) with skin ø 1.8 mm (0.071 in)	Stranded bare copper wire ø 0.47 mm (0.019 in) Insulation of foamed Polyethylene (PE) with skin ø 1.04 mm (0.041 in)
<b>Core</b>	2 wires twisted to a pair + fillers Alulaminat foil overlapped, applied longitudinally	2 wires twisted to a pair + fillers Alulaminat foil overlapped, applied longitudinally
<b>Shield</b>	Shield braiding of tinned copper wires ø 4.2 mm (0.165 in)	Shield braiding of tinned copper wires ø 2.6 mm (0.102 in)
<b>Jacket</b>	Polyurethane (PUR) GN ø (5.8 ±0.3) mm (0.228 ±0.012 in)	Polyurethane (PUR) GN ø (4.5 ±0.3) mm (0.177 ±0.012 in)
<b>Characteristics</b>	Flame retardant acc. to IEC 60332-1-2 Oil resistant acc. to DIN EN 60811-404 (7x24h/90 °C) UL-Style 20233 (80 °C/300V) Halogen free UV-resistant RoHS compliant	Flame retardant acc. to IEC 60332-1-2 Oil resistant acc. to DIN EN 60811-404 (7x24h/90 °C) UL-Style 20233 (80 °C/300V) Halogen free UV-resistant RoHS compliant
<b>Type designation</b>	02YS(ST)C11Y 1X2X0.76/1.8-100 LI GN	02YS(ST)C11Y 1X2X0.47/1.0-100 LI GN
<b>Order number</b>	L45467-J117-C18	L45467-J114-C58