Industrial Ethernet Leitung with halogenfree PUR-jacket, tested acc. to ECE-R 118.01, designed acc.to requirements of ISO 6722, Cat.5e up to Cat.7 cables

- Designed according to ISO 6722
- tested acc.to ECE-R 118.01

Product description

Application range

- For flexible applications (7-wire stranded conductor)
- For fixed, flexible and protected installations inside buses
- Suitable for connecting to of e.g. camera systems, enter-/ infotainment for passengers, ticketing systems, ...
- 4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

Benefits

- Easy to strip and dismantle
- Extended temperature range
- Good resistance to oil, petrol, acids and alkalis
- Abrasion and cut-resistant, halogen-free, oil-resistant
- Reduction of flame propagation, density and toxicity of smoke gases in event of fire

Product Make-up

- Stranded tinned 7-wire conductor
- Core insulation: Based on Polyolefin
- Colour-coded in accordance with EIA/TIA 568A and B
- Cat.5e: SF/UTP - copper braid and foil screening as overall screening
- Cat.6A/Cat.7: S/FTP - copper braid as overall screening and pair screening with aluminium compound foil
- Outer sheath: PUR compound, halogen-free
- outer sheath colour:
  Cat.5e green (RAL 6018)
  Cat.6A yellow (RAL1003)
  Cat.7 blue (RAL5021)

Norm references / Approvals

- DIN/ISO 6722
- electrical requirements acc. to IEC 61156-6
- tested acc.to ECE-R 118.01

Product features

- Halogen-free according to VDE 0472-815
- Good chemical resistance
- Flame retardant acc. to ISO 6722-1
- temperature class B on the basis of ISO 6722-1

Technical Data

Peak operating voltage	(not for power applications) 125 V
Minimum bending radius	Flexing: 15 x outer diameter
	Fixed installation: 10 x outer diameter
Temperature range	Flexing: -30 °C to +105 °C
	Fixed installation: -40 °C to +105 °C
Characteristic impedance	nom. 100 Ohm acc. to IEC 61156-6