



Highly flexible data transmission cable with PUR outer sheath

Well-proven and reliable; Optimized cable construction for power chain use; Wide temperature range for applications in harsh climatic environments

- Flexible at low temperatures
- Low capacitance
- Halogen-free



Product description

Application range

- Highly flexible data cable with PUR outer sheath, meets the highest service life requirements, even under harsh climatic conditions.
- Multifunctional-use, e.g. for packaging industry and storage and retrieval units
- Suitable for use in measuring, control and regulating circuits

Benefits

- Well-proven and reliable
- Optimized cable construction for power chain use
- Wide temperature range for applications in harsh climatic environments

Product Make-up

- Extra-fine wire strand made of bare copper wires
- Core insulation: Based on Polyolefin
- Non-woven wrapping
- Outer sheath made of special PUR compound
Outer sheath colour: grey (RAL 7001)

Norm references / Approvals

- Based on VDE 0812
- For horizontal travel distances up to 100m
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product features

- PUR outer sheath, tear and notch-resistant, resistant to mineral oils and abrasion when used in power chains
- Flame-retardant according IEC 60332-1-2
- Halogen-free, has low capacitance and is flexible down to -40°C
- Oil-resistant
- Low-adhesive surface, resistant to hydrolysis and microbes, oil resistant

Technical Data

Core identification code	DIN 47100, refer to Appendix T9
Mutual capacitance	C/C approx. 60 nF/km
Peak operating voltage	(not for power applications) 250 V
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity	approx. 0.65 mH/km
Conductor stranding	Stranded, extra-fine wire
Minimum bending radius	Flexing: 5 x outer diameter Fixed installation: 3 x outer diameter
Test voltage	1500 V
Temperature range	Flexing: -40°C to +80°C Fixed installation: -40°C to +80°C