



## VDE-registered, screened and cold-flexible TPE/PUR connection cables for particularly harsh conditions

Increased durability under harsh conditions thanks to robust PUR outer sheath; Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media; Wide temperature range for applications in harsh climatic environments; The signal colour of the outer sheath increases safety and visual perception; Copper braiding screens the cable against electromagnetic interference

- The proven building site cable
- Voltage class from 1.5 mm<sup>2</sup> 450/750 V
- VDE-tested and registered



## Product description

### Application range

- Connection and extension cables
- Construction machinery
- Building sites, camp sites, stage applications
- Agricultural equipment
- For indoor and outdoor use

### Benefits

- Increased durability under harsh conditions thanks to robust PUR outer sheath

- Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
- Wide temperature range for applications in harsh climatic environments
- The signal colour of the outer sheath increases safety and visual perception
- Copper braiding screens the cable against electromagnetic interference

## Product Make-up

- Fine-wire, tinned-copper conductor
- Core insulation: TPE
- Cores twisted together
- Inner sheath made of TPE
- Tinned copper screen braiding
- Outer sheath: PUR – colour yellow

## Norm references / Approvals

- VDE reg. no. 6583 up to 1.0 mm<sup>2</sup>
- VDE reg. no. 6584 from 1.5 mm<sup>2</sup>

## Product features

- Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D
- Abrasion and notch-resistant
- Halogen-free and flame-retardant (IEC 60332-1-2)
- Flexible down to -40°C
- Resistant to hydrolysis and microbes

## Technical Data

Core identification code	Colours according to VDE 0293-308, refer to Appendix T9
Classification	(7-cored version number-coded) ETIM 5.0 Class-ID: EC001578
Conductor stranding	ETIM 5.0 Class-Description: Flexible cable Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 12.5 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	Up to 1.0 mm <sup>2</sup> : U <sub>0</sub> /U: 300/500 V From 1.5 mm <sup>2</sup> : U <sub>0</sub> /U: 450/750 V
Test voltage	3000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -40°C to +90°C Fixed installation: -50°C to +90°C