



Fluorinated ethylene propylene cables for harsh applications

Space and weight-saving installations due to small cable diameters; Resistant to contact with mostly all highly aggressive chemical media; Low outgassing behaviour

- Good chemical resistance
- Wide temperature application range
- Thin, light and robust



Product description

Application range

- Conventional cables are not designed for use in environments with very high operating temperatures, heavy usage of chemical agents, or tight spaces
- Typical fields of application
 - Industrial furnace construction
 - Foundries
 - Chemical industry
 - Power plant engineering
 - Paint shop line technology
 - Heating elements
 - Polymer processing
 - Wind turbine engineering

Benefits

- Space and weight-saving installations due to small cable diameters
- Resistant to contact with mostly all highly aggressive chemical media
- Low outgassing behaviour

Product Make-up

- Fine-wire, tinned-copper conductor
- FEP-based core insulation
- Cores twisted together
- FEP-based outer sheath, black

Norm references / Approvals

- ÖLFLEX® HEAT 205 made of FEP
 - Outstanding resistance against acids, solvents, lacquers, petrol, oils and many other chemical media
 - Difficult to inflame
 - High dielectric strength and high abrasion resistance
 - Low water absorption
 - Resistant to microbes
 - Adhesion free insulation materials
 - Weather and ozone resistant
 - Hydrophobic and dirt-repellent
 - High elongation and tear resistance
 - Resistant against hydraulic fluids

Technical Data

Core identification code	Up to 5 cores: colour-coded acc. to VDE 0293-308 From 7 cores: ÖLFLEX® colour-codes, refer to Appendix T7
Classification	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Conductor stranding	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm ²
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U ₀ /U: 300/500 V
Test voltage	2500 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Fixed installation: -100°C to +205°C