



Steel-armoured PTFE cables for increased mechanical stress

Close-meshed braid made of galvanised steel wires protects against mechanical damage; Small outer diameters for maximum saving of space and weight; Germanischer Lloyd approval for use with ship diesel engines

- Good thermal and mechanical performance
- Robust cable design
- GL - Germanischer Lloyd approved



Product description

Application range

- Extremely high temperatures and mechanical stress require special insulated and armoured cables
- Main applications
 - Ship-building
 - Signal systems
 - Monitoring devices
 - Diesel engines
 - Steam boiler units
 - Turbine manufacturing

Benefits

- Close-meshed braid made of galvanised steel wires protects against mechanical damage

- Small outer diameters for maximum saving of space and weight
- Germanischer Lloyd approval for use with ship diesel engines

Product Make-up

- Fine-wire strand made of nickel-plated copper
- PTFE-based core insulation
- Cores twisted together
- Impregnated glass fibre braiding
- Galvanised steel wire braiding

Norm references / Approvals

- GL - Germanischer Lloyd approved

Product features

- Flame-retardant
- Stress crack resistant to frequent ambient temperature fluctuations
- High dielectric strength and high abrasion resistance
- High elongation resistance and tear strength
- Only suitable for use in dry conditions

Technical Data

Core identification code	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 7-core version: gn/ye, bl, bn, bk, bk, bk, tr
Classification	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius	In fixed installations: 5 x cable diameter
Nominal voltage	U ₀ /U 300/500 V according to GL: 250 V
Test voltage	1500 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Fixed installation: -190°C to +260°C According to GL: +205 °C