



DATA SHEET	0023201
ÖLFLEX® PETRO 125 BP plus	valid from : 01.06.2006

Application

ÖLFLEX® PETRO 125 BP plus are designed as power- and control cables especially for Offshore applications like for instance on marine vessels and oil rigs for the cabling of pumps, compressors and generators of drilling units. The cable is highly UV-, oil- and abrasion resistant for the use in harsh environment. The chosen LSOH insulation- and outer jacket compounds are halogen free and flame retardant resp. self extinguishing according to IEC 60332.3 – 22 Cat. A and reduce in case of fire the formation of toxic gases and fire source spreading. The armouring made of bronze braiding protects the cable additionally against mechanical stress and prevents in case of unintentional damage of the outer jacket the formation of sparking.

Design

Conductor	multi wired tinned copper strands according AWG / ASTM B 33
Core insulation	Polyolefine compound, halogen free
Core identity code	according UL 1309 Appendix A : BK, WH, RD, GN, OG from 5 cores : black with white numbers
Layering	Cores twisted into layers
Inner sheath	TPE compound, plastic foil wrapping
Armouring	bronze wire braiding, coverage approx. 80% plastic foil wrapping
Outer sheath	TPE compound, oil resistant, halogen free and flame retardant according to IEC 60332.3 Cat. A

Electrical Data at 20 °C

Nominal voltage	600 / 1000 V
Test voltage	4000 V AC

Mechanical and thermal properties

Temperature range	-40 up to +125° C max. conductor temperature (min. 3.000h)
Minimum bending radius	20 x cable diameter (flexible use) 6 x cable diameter (static use)
Flame retardant	in accordance to IEC 60 332.3-22 Cat. A
Halogen free	in accordance to IEC 60754-1, IEC 60754-2
Oil resistance	in accordance to NEK 606 (IRM 903) resp. IEEE 1580-2001
EEC directives	The product conforms to EEC directive 73/23 (low voltage directive) and 2002/95/EG RoHS.

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