

ZEX „The Explosion-proof“

- Explosion-proof housing
- „EEEx de“ certified by Nemko (official institute in Norway)
- Sealed stainless steel housing, protection class IP 66
- Integrated ZC-30-5V laser inside (other models on demand, see backside)
- Also available for delivery with different mW output power
- Protection against pressure from the inside to the outside
- Halogen-free, fire resistant offshore cable (heavy duty) ca. Ø 15mm (see backside)



Model	Output voltage	Wave lengths	Laser class
Z-10 EX	10 mW	635 nm	2 M
Z-20 EX	20 mW	635 nm	2 M
Z-30 EX	30 mW	635 nm	2 M

Dimensions: Ø 100 mm x 210 mm

Operating voltage: 90 - 265 VAC

Operating temperature: 0° bis 40° C

Housing: stainless steel

Weight: 3,8 kg

Optionally with different lasers inside the housing

ZEX with a Z-12 Laser



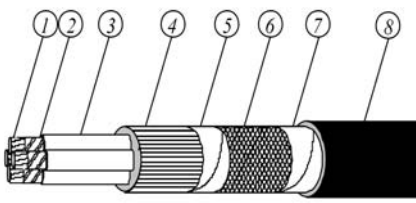
ZEX with a Z-C Laser



ZEX with a Z-D Laser



Halogen free, fire resistant cable



Explanation see table

Fire resistant cables

BFOU 0.6/1kV

MGT/EPR/EPR/TCWB/EVA
 Halogen-free, NEK 606 Type: P5
 Mud resistant, NEK 606 Type: P12
 Conductor temperature: up to 85°C
 Operating voltage: 0,6/1 kV

Standards applied

IEC: 60092-353 &
 NEK 606 - Design guidelines
 IEC: 60332-3/A - Flame retardance
 IEC: 60331 - Fire resistant
 IEC: 60754-1,2 - Halogen-free
 IEC: 61034-1,2 - Smoke density

Construction	Code letter	Declaration
Conductor		Circular, tinned, stranded copper. (1)
Insulation	B	Mica tape. (2) / EP-rubber. (3)
Bedding	F	Flame retardant and halogen-free thermoplastic compound. (4) PETP-tape. (5)
Armour	O	Tinned copper wire braid. (6) PETP-tape. (7)
Outer sheath	U	Flame retardant, halogen-free and mud resistant thermoset compound, SHF 2.(8)
Marking		E.g; "meter" "year" DRAKA NORSK KABEL BFOU 0,6/1kV P5/P12 3x25/16 mm ² FLEX-FLAME IEC 60331 IEC 60332-3/A "CE"
Colour		black