

SUBMERSIBLE PUMPS

ROUND OR FLAT SHAPED CABLES FOR SUBMERSIBLE PUMPS

- ◆ XLPE/EPDM
- ◆ EPDM/EPDM
- ◆ XLPE/XLPE
- ◆ PP/EPDM
- ◆ PVC/PVC

Manufactured with the following components/features:

- Rated voltage:
 - 1,8/3 kV
 - 0,6/1 kV
 - 450/750 V
- Bare or tinned copper conductor:
 - extra-flexible stranded
 - flexible stranded
- Colour of insulation according to International Standards or on customer specification
- Tinned copper braid shield
- Armours:
 - steel braid
 - steel wires
- Colour of outer sheath according to International Standards or on customer specification

MINES AND TUNNELING

POWER SUPPLY CABLES FOR FIXED INSTALLATION

- ◆ EPR/EPDM
- ◆ HEPR/EPDM
- ◆ EPDM/EPDM
- ◆ EPR/PUR
- ◆ HEPR/PUR
- ◆ EPDM/PUR

Manufactured with the following components/features:

- Rated voltage:
 - 1,8/3 kV
 - 0,6/1 kV
- Bare or tinned flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Earth conductors splitted into 3 in the outer interstices
- Additional control pair/triad
- Bare or tinned copper braid shield:
 - on each core/pair/triad
 - overall
- Outer sheath:
 - colour according to International Standards or on customer specification
 - oil resistant (PUR outer sheaths)
 - abrasion resistant (PUR outer sheaths)

Halogen free cables

- ◆ EPR/LSZH
- ◆ HEPR/LSZH

Manufactured with the following components/features:

- Rated voltage:
 - 1,8/3 kV
 - 0,6/1 kV
- Bare or tinned flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Earth conductors splitted into 3 in the outer interstices

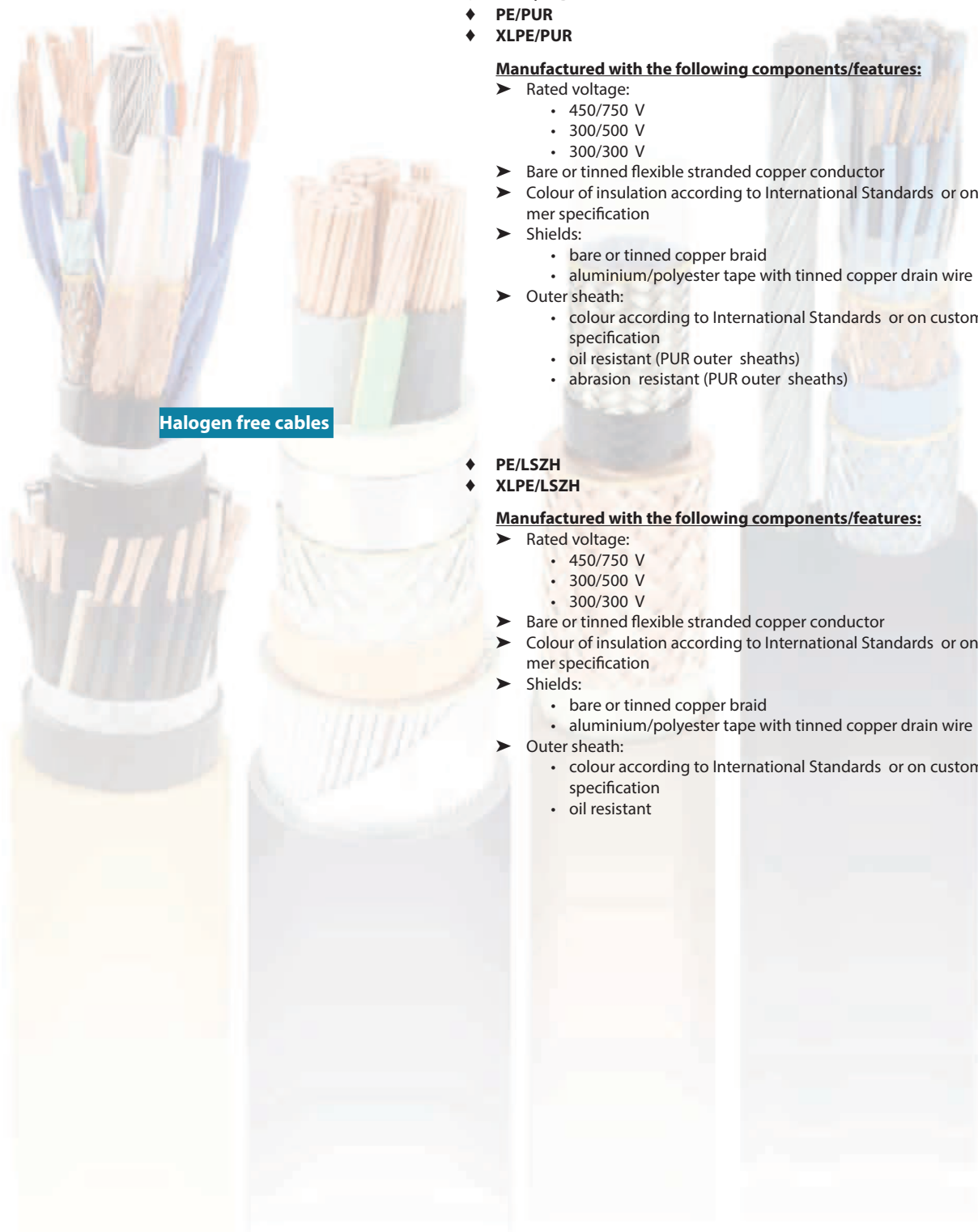
- Additional control pair/triad
- Bare or tinned copper braid shield:
 - on each core/pair/triad
 - overall
- Outer sheath:
 - colour according to International Standards or on customer specification
 - oil resistant

CONTROL CABLES FOR FIXED INSTALLATION

- ◆ PE/EPDM
- ◆ XLPE/EPDM
- ◆ PE/PUR
- ◆ XLPE/PUR

Manufactured with the following components/features:

- Rated voltage:
 - 450/750 V
 - 300/500 V
 - 300/300 V
- Bare or tinned flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Shields:
 - bare or tinned copper braid
 - aluminium/polyester tape with tinned copper drain wire
- Outer sheath:
 - colour according to International Standards or on customer specification
 - oil resistant (PUR outer sheaths)
 - abrasion resistant (PUR outer sheaths)



Halogen free cables

- ◆ PE/LSZH
- ◆ XLPE/LSZH

Manufactured with the following components/features:

- Rated voltage:
 - 450/750 V
 - 300/500 V
 - 300/300 V
- Bare or tinned flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Shields:
 - bare or tinned copper braid
 - aluminium/polyester tape with tinned copper drain wire
- Outer sheath:
 - colour according to International Standards or on customer specification
 - oil resistant

ROUND OR FLAT SHAPED CABLES FOR SUBMERSIBLE PUMPS

- ◆ XLPE/EPDM
- ◆ EPDM/EPDM
- ◆ XLPE/XLPE

Manufactured with the following components/features:

- Rated voltage:
 - 1,8/3 kV
 - 0,6/1 kV
 - 450/750 V
- Bare or tinned copper conductor:
 - extra-flexible stranded
 - flexible stranded
- Colour of insulation according to International Standards or on customer specification
- Tinned copper braid shield
- Armours:
 - steel braid
 - steel wires
- Colour of outer sheath according to International Standards or on customer specification

ROUND SHAPED CABLES FOR WINDING REELS ON CRANES AND FESTOON SYSTEMS

Power, control and instrumentation cables

- ◆ EPDM/EPDM (WINDCABLE)

Manufactured with the following components/features:

- Rated voltage 0,6/1 kV
- Bare or tinned extra-flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Bare or tinned copper braid shield:
 - on each pair for instrumentation cables
 - overall
- Not-woven tape
- Textile aramidic braid for carrying support
- Colour of outer sheath according to International Standards or on customer specification
- Optional aramidic rope in central position for vertical applications with high mechanical stresses

FLAT SHAPED CABLES FOR FESTOON SYSTEMS AND BRIDGE CRANES

Power, control and instrumentation cables

- ◆ EPDM/EPDM
- ◆ XLPE/EPDM

Manufactured with the following components/features:

- Rated voltage:
 - 0,6/1 kV
 - 450/750 V
 - 300/500 V
 - 300/300 V
- Bare or tinned copper conductor:
 - extra-flexible stranded
 - flexible stranded
- Colour of insulation according to International Standards or on customer specification
- Bare or tinned copper braid shield on each core or on each pair/triad group
- Colour of outer sheath according to International Standards or on customer specification
- Optional aramidic ropes in lateral positions for vertical applications with high mechanical stresses

ROUND SHAPED CABLES FOR PENDANT PUSH BUTTON ON BRIDGE CRANES

Control cables

◆ **EPDM/EPDM**

Manufactured with the following components/features:

- Rated voltage:
 - 450/750 V
 - 300/500 V
 - 300/300 V
- Bare or tinned extra-flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Colour of outer sheath according to International Standards or on customer specification
- Steel ropes in lateral positions

ROUND SHAPED CABLES FOR CRANES WITH BASKET COLLECTOR

Power, control and instrumentation cables

◆ **EPDM/EPDM**

Manufactured with the following components/features:

- Rated voltage:
 - 0,6/1 kV
 - 450/750 V
 - 300/500 V
- Bare or tinned extra-flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Bare or tinned copper braid shield:
 - on each pair for instrumentation cables
 - overall
- Not-woven tape
- Textile aramidic braid for carrying support
- Colour of outer sheath according to International Standards or on customer specification
- Optional aramidic rope in central position for vertical applications with high mechanical stresses

CHAIN CABLES FOR POWER AND CONTROL

◆ **XLPE/PUR (DYNACABLE)**

Manufactured with the following components/features:

- Rated voltage:
 - 0,6/1 kV
 - 450/750 V
 - 300/500 V
 - 300/300 V
- Extra-flexible stranded bare or tinned copper conductor
- Colour of insulation according to International Standards or on customer specification
- Bare or tinned copper braid shield
- Not-woven tape
- Outer sheath:
 - colour according to International Standards or on customer specification
 - oil resistant
 - abrasion resistant
 - low temperature resistant

CABLES FOR MOBILE APPLICATIONS WITH HIGH DYNAMICAL STRESSES

◆ HY/PUR (TORFLES)

Manufactured with the following components/features:

- Rated voltage:
 - 0,6/1 kV
 - 450/750 V
 - 300/500 V
 - 300/300 V
- Extra-flexible stranded bare or tinned copper conductor
- Colour of insulation according to International Standards or on customer specification
- Bare or tinned copper braid shield
- Not-woven tape
- Outer sheath:
 - colour according to International Standards or on customer specification
 - oil resistant
 - abrasion resistant
 - low temperature resistant

FLAT AND ROUND CABLES FOR LIFTS APPLICATIONS

◆ EPR/LSZH (LIFTCABLE HF)

◆ EPDM/EPDM

Manufactured with the following components/features:

- Rated voltage:
 - 0,6/1 kV
 - 450/750 V
 - 300/500 V
- Central kevlar carrying rope
- Bare or tinned extra-flexible stranded copper conductor
- Colour of insulation according to International Standards or on customer specification
- Not-woven tape
- Colour of outer sheath according to International Standards or on customer specification

WIRING

WIRING CABLES FOR GENERAL USE

- ◆ PVC/PVC
- ◆ XLPE/PVC
- ◆ PVC/PUR
- ◆ XLPE/PUR
- ◆ PUR/PUR
- ◆ XLPE/LSZH

Manufactured with the following components/features:

- Rated voltage:
 - 300/500 V
 - 300/300 V
 - 150/250 V
 - 100/100 V
- Bare or tinned copper conductor:
 - extra-flexible stranded
 - flexible stranded
- Colour of insulation according to International Standards or on customer specification
- Shields:
 - aluminium/polyester tape with tinned copper drain wire
 - bare or tinned copper braid
 - aluminium/polyester tape with tinned copper drain wire + bare or tinned copper braid
 - bare or tinned copper wires
- Steel braid armour
- Colour of outer sheath according to International Standards or on customer specification