

GREEN ENERGY

PHOTOVOLTAIC SYSTEMS



WIND ENERGY

Power cables for wind towers

Control cables for wind towers

◆ **EPR/LSZH**

Manufactured with the following components/features:

- Voltage 1500 V DC
- Flexible stranded bare or tinned copper conductor
- Colour of insulation according to International Standards or on customer specification
- Steel braid armour
- UV resistant outer sheath:
 - colour according to International Standards or on customer specification

- ◆ **EPR/LSZH**
- ◆ **HEPR/EPDM**
- ◆ **EPDM/EPDM**
- ◆ **XLPE/LSZH**

Manufactured with the following components/features:

- Rated voltage:
 - 1,8/3 kV
 - 2 kV
 - 0,6/1 kV
- Bare or tinned copper conductor:
 - flexible stranded
 - round stranded
- Bare or tinned copper concentric conductor (for multi-core cables):
 - braid
 - wires
- Colour of insulation according to International Standards or on customer specification
- Shields:
 - aluminium/polyester tape with tinned copper drain wire
 - tinned copper braid
 - aluminium/polyester tape with tinned copper drain wire + tinned copper braid
- UV and oil resistant outer sheath:
 - colour according to International Standards or on customer specification
- Optional aramidic rope in central position for vertical applications with high mechanical stresses

◆ **XLPE/LSZH**

Manufactured with the following components/features:

- Rated voltage:
 - 450/750 V
 - 300/500 V
 - 300/300 V
- Flexible stranded bare or tinned copper conductor
- Colour of insulation according to International Standards or on customer specification
- Shields:
 - aluminium/polyester tape with tinned copper drain wire
 - tinned copper braid
 - aluminium/polyester tape with tinned copper drain wire + tinned copper braid
- UV and oil resistant outer sheath:
 - colour according to International Standards or on customer specification
- Optional aramidic rope in central position for vertical applications with high mechanical stresses

Power cables for rotors

- ◆ EPDM/EPDM
- ◆ HEPR/EPDM

Manufactured with the following components/features:

- Rated voltage 0,6/1 kV
- Bare or tinned copper conductor:
 - extra-flexible stranded
 - flexible stranded
- Colour of insulation according to International Standards or on customer specification
- Not-woven tape
- Shields:
 - tinned copper braid
 - aluminium/polyester tape with tinned copper drain wire + tinned copper braid
- UV and oil resistant outer sheath:
 - colour according to International Standards or on customer specification

Control cables for rotors

- ◆ EPDM/EPDM
- ◆ HEPR/EPDM

Manufactured with the following components/features:

- Rated voltage:
 - 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
- Not-woven tape
- Shields:
 - tinned copper braid
 - aluminium/polyester tape with tinned copper drain wire + tinned copper braid
- UV and oil resistant outer sheath:
 - colour according to International Standards or on customer specification

Power cables for collection systems and for substations

- ◆ EPR/LSZH
- ◆ HEPR/EPDM
- ◆ EPDM/EPDM

Manufactured with the following components/features:

- Rated voltage:
 - 1,8/3 kV
 - 2 kV
 - 0,6/1 kV
- Bare or tinned copper conductor:
 - flexible stranded
 - round stranded
- Colour of insulation according to International Standards or on customer specification
- Outer sheath:
 - colour according to International Standards or on customer specification
 - UV resistant

Grounding cables and single-core cables for wind energy applications

- ◆ PVC
- ◆ XLPE
- ◆ EPR
- ◆ EPDM

Manufactured with the following components/features:

- Rated voltage:
 - 0,6/1 kV
 - 450/750 V
- Bare copper conductor:
 - flexible stranded
 - round stranded
- Insulation:
 - colour according to International Standards or on customer specification
 - UV resistant

