

MEDIUM VOLTAGE



Scankab Cables' medium voltage cables are suitable for the transmission of power and are available in both copper and aluminium conductors. Their characteristics allow them to be used in fixed interior, exterior or underground installations. The Scankab Cables' product range is the company's response to the medium-voltage requirements of industry, renewable energy companies and infrastructures in general.



RHZ1 AL / OL / 2OL



DESIGN

Conductor

Compacted aluminium conductor, class 2. Optionally, with longitudinal sealing (cable type -2OL).

Internal semiconductor

Screen above the conductor, made of thermosetting semiconductor material.

Insulation

Cross-linked polyethylene (XLPE), cross-linked in dry nitrogen atmosphere.

External semiconductor

Screen above the insulation, made of thermosetting and strippable semiconductor material.

Copper screen

Screen of Cu wires and Cu tape, with a minimum cross-section of 16 mm².

Longitudinal sealing

Hygroscopic tape completely covering the screen (cable type -OL and -2OL).

External sheath

External sheath of halogen-free polyolefin, red colour

APPLICATIONS

Cable for fixed installations. Suitable for the transmission and distribution of electricity in a medium voltage network, halogen free. Can be used indoors, outdoors and in underground applications.

Based on:

UNE-HD 620-5-E (tipo 5E-1), IEC 60502-2

MEDIUM VOLTAGE 6/10 KV,
8,7/15 KV, 12/20 KV and 18/30 KV
X-VOLT



CHARACTERISTICS



Max. working temperature +90°



Max. bending radius 15 x cable diameter



Max. short circuit temp. +250°



Halogen free

HEPRZ1 AL



DESIGN

Conductor

Electrolytic compacted aluminium conductor, class 2. Optionally, with longitudinal sealing (cable type -2OL)

Internal semiconductor

Screen above the conductor, made of thermosetting semiconductor material

Insulation

High module ethylene propylene rubber (HEPR), cross-linked in dry nitrogen atmosphere.

External semiconductor

Screen above the insulation, made of thermosetting and strippable semiconductor material.

Copper screen

Screen of Cu wires and of Cu tape, with a minimum cross-section of 16 mm²

Separator

Polyester tape completely covering the screen to facilitate the stripping of the outer sheath. Optionally, substituted by hygroscopic tape (cables with longitudinal sealing, type -OL and -2OL)

External sheath

External sheath of halogen-free polyolefin, red colour.

APPLICATIONS

Cable for fixed installations. Suitable for the transmission and distribution of electricity in a medium voltage network, halogen free. Can be used indoors, outdoors and in underground applications.

Based on:

UNE-HD 620-9-E (tipo 9E-1)

MEDIUM VOLTAGE 12/20 kV and 18/30 kV
X-VOLT



CHARACTERISTICS



Max. working temperature +90°



Max. bending radius 15 x cable diameter



Max. short circuit temp. +250°



Halogen free