

100% Green Energy
Cable Production

APPLICATION

X-VOLT® RHZ1-OL is a Medium Voltage aluminium cables for transmission and distribution of electricity. Halogen free.

- Distribution networks.

CONSTRUCTION

Conductor

Aluminium conductor class 2 according to EN 60228 and IEC 60228.

Internal semiconductor

Screen over the conductor, made of thermosetting semiconductor material.

Insulation

Cross-linked polyethylene type DIX3 according to BS 7870-4.10 and type XLPE according to IEC 60502-2, natural colour.

Cross linked in catenary line with nitrogen atmosphere through a triple layer extrusion process.

External semiconductor

Screen over the insulation, made of thermosetting non-strippable semiconductor material.

Metallic screen

Screen of copper wires and copper tape, applied over the outer semiconducting layer, with a minimum cross-section of 35mm².

Water blocking

Hygroscopic tape applied over the metallic screen.

Outer sheath

Polyolefin outer sheath type DMP5 according to BS 7870-4.10 and type ST7 according to IEC 60502-2. Red colour.

Assembly of single-core cables

Three stranded single-core cables in triplex formation.

CHARACTERISTICS



Electrical performance

Medium voltage: 6,35/11 kV.



Thermal performance

Maximum service temperature: 90°C.

Maximum short-circuit temperature: 250°C (max 5 s)

Minimum service temperature: -15°C.



Fire performance

Halogen free: according to EN 60754-1 / IEC 60754-1.



Mechanical performance

Minimum bending radius: 15x cable diameter.

Abrasion resistant.

Tear resistant.



Installation conditions

Open Air.

Buried.

In conduit.

STANDARDS / COMPLIANCE



According to
BS 7870-4.10 / IEC 60502-2.