

APPLICATION

Cable for power distribution and power supply stations used in Utility and Industrial applications. for rated voltages up to 18/30kV. Suitable for fixed installations. indoor or outdoor, in open air on cable trays, or underground in ducts or directly buried. Cable is both longitudinally and radially watertight and therefore best suitable for wet conditions.

CABLE DESIGNATION

Cu / XLPE / Cu Wire screen / Cu tape / PE
 Al / XLPE / Cu Wire screen / Cu tape / PE

CONSTRUCTION CHARACTERISTICS

Conductor

Plain annealed Copper or Aluminium, circular, stranded, class 2 per IEC 60228.

Insulation

Semi-conductive screen over the conductor, XLPE (cross-linked polyethylene) insulation and semi conductive screen over the insulation (strippable¹), applied by simultaneous extrusion in just one operation.

Metallic Screen

Annealed copper wires helically wound and an equalising copper tape applied in an open counter-helix.

Over Sheath:

Extruded PE oversheath, type ST7.



GENERAL CHARACTERISTICS

Construction and test standards	IEC 60228 IEC 60502-2
Rated voltage $U_0/ U(U_m)$	3.6/6 (7.2) kV · 6/10 (12) kV · 8.7/15 (17.5) kV · 12/20 (24) kV · 18/30 (36) kV
Standard cross-section of wire screen (mm ²)	16 · 25 · 35
Test voltage	3.5 x U_0
Conductor maximum operating temperature	90°C