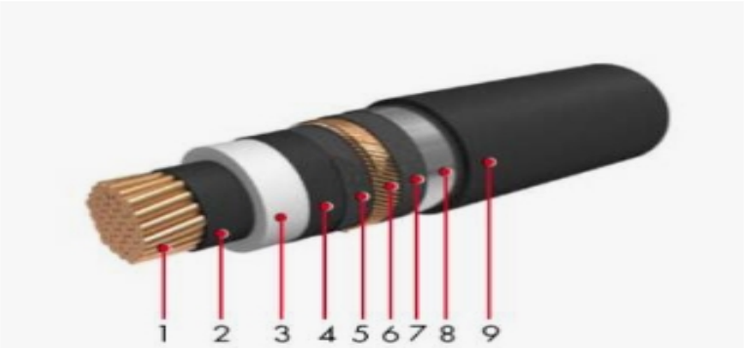
HV Power Cable 2XS(FL)2Y



Construction

1.Conductor: Compacted or segmented Class 2 copper or aluminium
2.Conductor screen: Extruded semi-conductive XLPE
3.Insulation: XLPE
4.Insulation screen: Extruded semi-conductive XLPE
5.Separator: Swellable semi-conductive tape
6.Screen: Copper wire with a counter helix of copper tape
7.Separator: Swellable semi-conductive tape
8.Moisture Barrier: Copolymer-coated aluminium or copper tape
9.Outer sheath: High-Density Polyethylene (HDPE), Black

Applications

2XS(FL)2Y cables are high-voltage, longitudinally and radially water-blocked power transmission cables, rated for 36kV to 145kV. They are engineered for critical infrastructure in urban, industrial, and utility grids. Designed for fixed installation, these cables offer superior moisture protection, making them ideal for laying directly underground, in cable ducts, outdoors, or even in submerged water environments.

Standards

Design Standard: IEC 60840.
National Standard: DIN VDE 0276-632.
Conductor: IEC 60228 Class 2.
Water Penetration: IEC 60840 Annex E / T2 (Longitudinal and Radial).
Outer Sheath: IEC 60502-2.

Specification

Temperature range	-30°C to +90°C
Permissible operating temperature of the conductor	+90°C
Laying Temperature	no less than – 20°C
Permissible short circuit temperature at the conductor	+250°C (Short circuit duration max. 5 s)
Minimum bending radius	15x

Tel: +86-13683822973 E-mail: richardzi@zw-cable.com Website:https://www.centralwires.com/

Technical Data

Cross-section of Conductor and Electric Protection (mm2)	ConductorDiameter (mm)	Insulation Thickness (mm)	Diameter over insulation (mm)	Cable Diameter (mm)	Weight(approx)(kg /km)
1x150/95	14,1	18	54,9	64,9	5035
1x185/95	15,7	17	54,5	64,5	5272
1x240/95	18,0	16	54,8	64,8	5742
1x300/95	20,3	15	55,1	65,1	6210
1x400/95	23,0	15	57.6	67,4	7208
1x500/95	26,5	15	61,3	71,7	8322
1x630/95	30,3	15	64,5	75,2	9886
1x800/95	36,9	15	71,8	82,6	12042