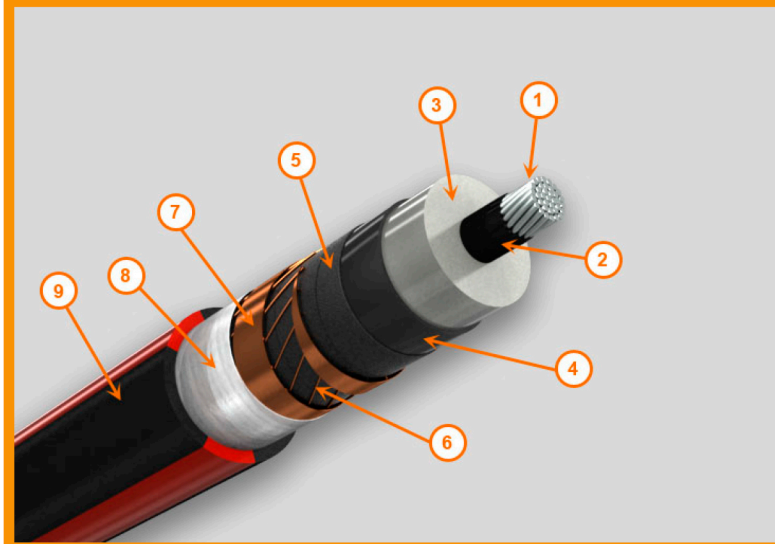


**HIGH VOLTAGE POWER CABLE, ALUMINUM CONDUCTOR, XLP INSULATION 115 kV B HDPE JACKET**



**Description:**

- 1- Compact round concentric-lay stranded aluminum conductor with filled strand.
- 2- Extruded semiconducting conductor shield\*.
- 3- Cross-linked polyethylene (XLPE) insulation\*.
- 4- Extruded semiconducting insulation shield\*.
- 5- Water blocking tapes under copper wires.
- 6- Metallic shield consisting of copper wires helically applied.
- 7- Annealed copper tape helically applied with negative overlap of 150 % to equalize the electric current in the copper wires.
- 8- Water blocking tapes over copper wires.
- 9- High Density Polyethylene (HDPE) overall jacket in black color with 3 red stripes.

\* Note: Insulation and semiconducting shields are manufactured by true triple extrusion with dry curing.

**Applications:**

- Electric power subtransmission
- Sevice

**Features:**

- Excellent grease resistance
- Excellent abrasion resistance
- Excellent chemical substance resistance
- Excellent heat resistance
- Excellent oil resistance
- Excellent outdoor resistance
- Excellent ozone resistance
- Excellent resistance to longitudinal water penetration in the conductor
- Excellent resistance to longitudinal water penetration in the metallic shielding
- Good moisture resistance
- High dielectric strength
- High dielectric strength on pulse
- Low dielectric loss
- True triple extrusion with dry curing process

**Special features:**

- Appropriate for subtransmission and trasmission of electric power, for places with high moist and/or where moist protection in the cable screen is required.

**Standard:**

- CFE E0000-17

**Voltage:**

- 115 kV

**Temperature:**

- Normal 90°C
- Overload 130°C
- Short circuit 250°C

**Installation type:**

- Trench
- Underground electrical ducts

**Insulation:**

- Cross-linked Polyethylene (XLPE)

**Jacket:**

- High Density Polyethylene (HDPE)

**Quality System Certification:**

- ISO 9001:2015 Quality System certified by Bureau Veritas

**Order additional information:**

- Vulcanel high voltage 115 kV cables, Aluminum conductor, size, XLP insulation, Water blocking tapes (B), HDPE jacket, manufactured in accordance to the CFE E 0000 -17 standard, number of product, cable length per reel and total order length.

**HIGH VOLTAGE POWER CABLE, ALUMINUM CONDUCTOR, XLP INSULATION 115 kV B HDPE JACKET**



Number of Product	Voltage (V)	Size (AWG/kcmil)	Total Cross Section Area (mm <sup>2</sup> )	Conductor Number of Wires	Nominal Conductor Diameter (in)	Nominal Insulation thickness (mils)	Nominal Diameter Over Insulation (in)	Metallic Shield Number of Wires	Size of each Wire Shield (AWG)	Metallic Shield Area (mm <sup>2</sup> )	Nominal Overall Diameter (in)	Nominal cable weight (lb/1000ft)	Packaging	Length
3210985	115 000	750	380.00	61	0.91	799.21	2.64	18	13	48.23	3.31	4 174	CARRETE	*
31020400DA	115 000	1000	507.00	61	1.05	799.21	2.78	18	13	48.23	3.54	4 757	CARRETE	*

**Notes:**

- For constructions different from the one shown please get in contact with our Technical Assistance Department.
- Data is subject to normal manufacturing tolerances.
- \*This is not a stock product. Delivery possible in specific lengths