

High Voltage Cables 38/66 (72.5) kV

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(CU/XLPE/CW/HDPE)



Description

Stranded circular compacted or segmental conductor with copper or Aluminum material , Semi-Conducting layer as conductor screen , XLPE insulation , Semi-Conducting layer as insulation screen, Semi-Conductive water blocking tape , copper wire as metallic screen to achieve the required cross sectional area that carry the earth fault current , non-conductive water blockin tape to protect the metallic screen area from ongitudinal water penetration, double coated aluminum tape to protect the cable from radial water penetration and extruded with HDPE Sheathed with semi-conducting extruded material.

- Cables are designed and testing according to IEC 60228, 60840 and 60811.

Nominal Cross Sectional Area	Max. DC Conductor Resistance at 20 °C	Operating Capacitance	Non-metallic thickness			Outer jacket	Current Rating				Approx. Overall Diameter	Approx Weight
			Conductor Screen	Insulation	Insulation Screen		Laid in Ground		Laid in free Air			
							Trefoil	Flat	Trefoil	Flat		
mm ²	Ω/km	μF/km	mm	mm	mm	mm	A	A	A	A	mm	Kg/km
400 R	0.0470	0.205	1.0	13	1.5	3.5	623	562	859	830	68	7100
500 R	0.0366	0.220	1.0	13	1.5	3.5	699	610	982	938	71	8190
630 R	0.0283	0.241	1.0	13	1.5	3.5	777	631	1119	1052	75	9565
800 R	0.0221	0.264	1.0	13	1.5	3.5	859	682	1263	1175	78	10900
1000 S	0.0176	0.292	1.5	13	1.5	4.5	987	727	1484	1343	86	13920
1200 S	0.0151	0.317	1.5	13	1.5	4.5	1057	759	1624	1449	91	15980

R: Round
S: Segmental

- The above data is calculating at 100 % load factor.
- The above dimensions are subjected to customer request.
- The current rating for above table was based on double end bond
- The above data is approximate and subjected to manufacturing tolerance.
- The Aluminum conductor can be submitted according to customer request.