



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 blocking tape to protect the metallic screen area from longitudinal water penetration, double coated aluminum tape to protect the cable from radial water penetration and extruded with HDPE Sheathed with semi-conducting extruded material.

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	A	A	A	A	mm	Kg/km	
400 R	0.0470	0.164	1.2	18	1.5	4.5	614	593	587	833	80	8425
500 R	0.0366	0.176	1.2	18	1.5	4.5	687	584	979	941	83	9550
630 R	0.0283	0.192	1.2	18	1.5	4.5	767	624	1118	1058	87	11070
800 R	0.0221	0.208	1.2	18	1.5	4.5	847	672	1262	1182	91	11325
1000 S	0.0176	0.227	1.5	18	1.5	4.5	975	722	1498	1359	96	15220
1200 S	0.0151	0.262	1.5	18	1.5	4.5	1043	757	1489	1467	98	16850

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.