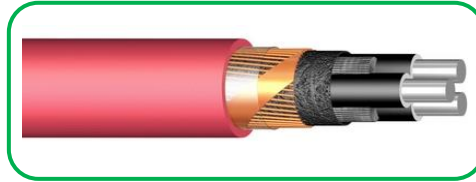
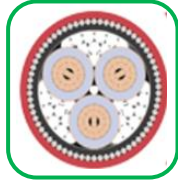


MV DNO Approved 3 Core Cable



Application - 11 KV A.C Electricity Distribution Cable

Conductor Temperature: Max: Max. 90°

Short Circuit Temp: Min.250°

Installation Temp: Min. -15°C

Min. radius of bend : 10 X D

Max. Pulling Tension: Directly on conductor 30N/mm² of total cross section

Construction

Conductor: Circular Solid Aluminium

Conductor Screen : Extruded semi-conducting compound

Insulation: XLPE

Insulation Screen: Extruded semi conducting cold strippable compound

Screen: Concentric layer of copper wires with a copper tape applied in the opposite direction.

Moisture Barrier: Swelling Tape. Aluminium tape longitudinally applied with overlap

Outer Sheath : PE

Color of Sheath 

Technical

Standard: BS 7870

Marking of Sheath: Electric Cable 11000 "Dimension" "Year" "Meters" Additional Text on request

Rated Voltage: 11KV AC between Phases

Standard Length: 250M Drums


 Technical Properties

Nominal area of conductor and Screen	Diameter of conductor Nominal	Radical Thickness of insulation	Standard length	Outer Dimension max(D)	Approx. Weight	Approvals
mm ²	mm	mm	m	mm	kg pr. KM	
3X95+70	10.6	3.4	-	58	3500	SPEN
3X150+60	13.3	3.4	-	62	3200	SSE
3X185+95	14.8	3.4	-	68	4500	SPEN
3X240+60	17	3.4	-	71	4300	SSE
3X300+95	18.9	3.4	-	78	6500	SPEN


 Mechanical Properties

	MM ²	95	150	185	240	300
Diameter of conductor, nom.	mm	10.6	13.3	14.8	17	18.9
Insulation thickness, nom.	mm	3.4	3.4	3.4	3.4	3.4
Diameter over insulation.	mm ²	19	21.7	23.2	25.4	29.3
Diameter of laid up core. Nom	mm	45.4	48.1	54.4	56.2	63.4
Area of copper screen, Nom.	mm	70	60	95	60	95
Diameter over screen, Nom.	mm	48.6	51.8	57.7	59.9	66.6
Thickness of sheath, Nom.	mm	2.7	2.9	3	3.2	3.3
Diameter over Sheath, Nom.	mm	54	57.9	63.7	66.6	73.2
Diameter over Sheath, Max.	mm	58	62	68	71	78
Weight of Cable, Apprx	kg/m	3.5	3.2	4.5	4.3	6.5
Radius of bend, Min.	mm	540	580	640	660	720
Pulling tension on the cable	kN	7.5	10	12	15	15

Area of Conductor	mm ²	95	150	185	240	300
Resistance, DC, at 20°C, Max	Ω/km	0.32	0.206	0.164	0.125	0.100
Capacitance, Max	μF/km	0.31	0.36	0.42	0.44	0.48
Short circuit rating for 1 sec. Conductor with initial temperature 90°C and final temperature 250	kA	8.90	14.2	17.5	22.7	28.3
Short circuit rating for 1 sec. Screen with final screen temperature 300°C	kA	14.0	12.0	19.0	12.0	19.0

G) Continuous current carrying capacity for maximum conductor temperature 90°C : Direct in ground at 15°C, Dept 1.0M, thermal resistivity 1.2° km/W

A) Continuous current carrying capacity for maximum conductor temperature 90°C : In free air at. 25°C



* If any further information is required please contact us directly and we will be able to advised accordingly