

NA2XCKBr2Y 1 X (300 - 2000) mm² 87/150 (170) kV

Al / XLPE / CWS / LS / Br / HDPE

(Aluminium Conductor, XLPE Insulated, Copper Wire Screen, Lead Sheathed, HDPE Separation Sheathed, Brass Tape, HDPE Sheathed)

Standard Specification : IEC 60840 : 2011

Application :

Power Cable : used in the underground transmission lines between two sub station units of an electricity grid, transformer of a generator unit to indoor or outdoor sub station. These Insulated cable circuits may also be used in conjunction with overhead lines.

Conductor Shape

300 - 800 sqmm supplied in compacted circular stranded (cm) conductor shape

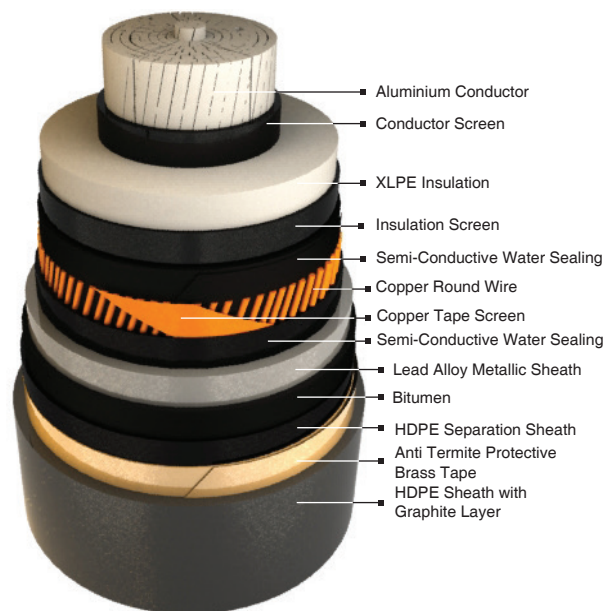
1000 - 2000 sqmm supplied in segmented compress stranded (sc) conductor shape

Short Circuit Capacity

Screen short circuit capacity will be submitted upon request

Construction Data

Nom. Cross Section Area	Thickness				Overall Diameter	Cable Weight
	Conductor Screen	Insulation	Insulation Screen	Outer Sheath		
	Nom.	Nom.	Nom.	Nom.	Approx.	Approx.
mm ²	mm	mm	mm	mm	mm	kg/km
300	1.3	18.0	1.3	3.7	92	16,395
400	1.3	18.0	1.3	3.8	96	17,497
500	1.3	18.0	1.3	3.9	99	18,710
630	1.3	18.0	1.3	4.0	102	19,617
800	1.3	18.0	1.3	4.1	106	20,328
1000	1.5	18.0	1.3	4.2	113	22,908
1200	1.5	18.0	1.3	4.4	118	25,644
1600	1.5	18.0	1.3	4.6	126	29,129
2000	1.5	18.0	1.3	4.8	134	31,402



Electrical Data

Conductor		Capacitance	Current - Carrying Capacity at 30° C *			
			In Ground		In Air	
			Trefoil Max.	Flat (s=1D) Max.	Trefoil Max.	Flat (s=1D) Max.
Nom. Cross Section (mm ²)	DC Resistance at 20°C Max (Ω/km)	Per Phase Max. (μF/km)	(A)	(A)	(A)	(A)
300	0.1000	0.148	459	470	581	638
400	0.0778	0.160	525	541	675	743
500	0.0605	0.172	598	619	778	862
630	0.0469	0.194	681	711	900	1007
800	0.0367	0.212	768	809	1032	1165
1000	0.0291	0.238	860	918	1182	1353
1200	0.0247	0.252	922	994	1282	1480
1600	0.0186	0.282	1031	1133	1462	1717
2000	0.0149	0.302	1113	1245	1606	1914

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information