

N2XCLAT2Y 1 X (300 - 2000) mm² 87/150 (170) kV

Cu / XLPE / CWS / LAT / HDPE

(Copper Conductor, XLPE Insulated, Copper Wire Screen, Laminated AL 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

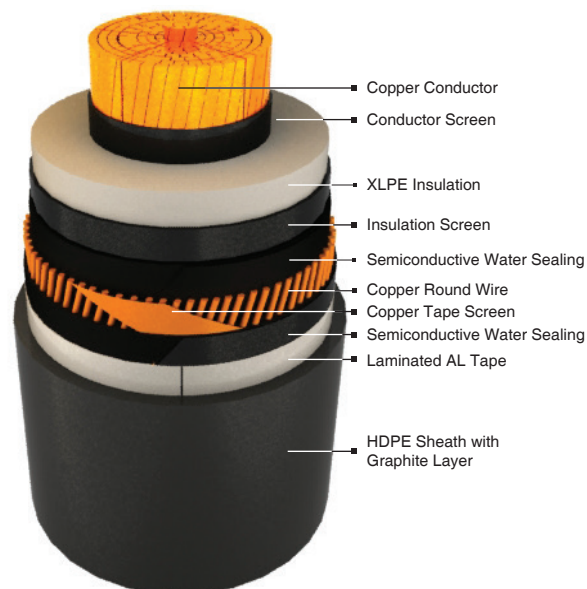
1000 - 2000 sqmm supplied in segmented compress stranded (sc) conductor shape

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	3.3	82	9,119
400	1.3	18.0	1.3	3.4	85	10,097
500	1.3	18.0	1.3	3.5	88	11,369
630	1.3	18.0	1.3	3.6	90	12,718
800	1.3	18.0	1.3	3.7	94	14,649
1000	1.5	18.0	1.3	3.9	102	17,352
1200	1.5	18.0	1.3	4.0	105	19,265
1600	1.5	18.0	1.3	4.2	113	23,674
2000	1.5	18.0	1.3	4.4	121	28,132



Electrical Data

Conductor		Capacitance	Current - Carrying Capacity at 30° C *			
			In Ground		In Air	
Nom. Cross Section (mm ²)	DC Resistance at 20°C Max. (Ω/km)	Per Phase Max. (μF/km)	Trefoil Max. (A)	Flat (s=1D) Max. (A)	Trefoil Max. (A)	Flat (s=1D) Max. (A)
300	0.0601	0.150	583	605	745	833
400	0.0470	0.160	659	689	853	962
500	0.0366	0.173	744	785	979	1115
630	0.0283	0.194	834	892	1116	1291
800	0.0221	0.209	923	1003	1256	1476
1000	0.0176	0.238	1012	1123	1415	1702
1200	0.0151	0.252	1065	1197	1509	1839
1600	0.0113	0.282	1161	1337	1684	2101
2000	0.0090	0.302	1237	1451	1829	2321

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