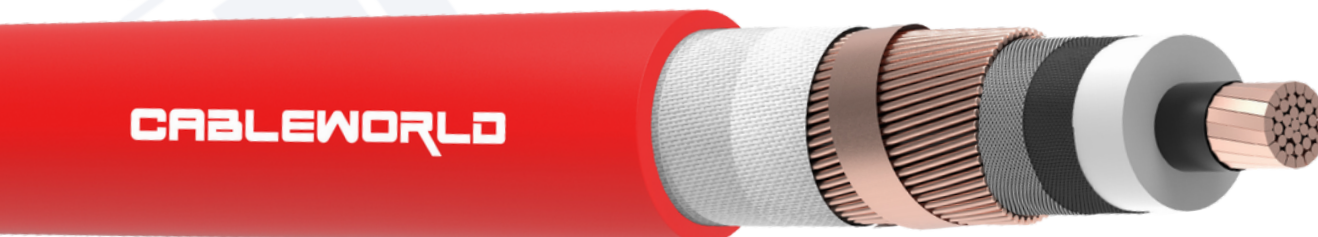
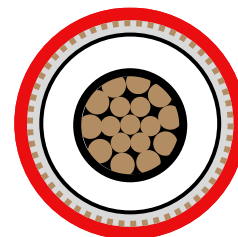




N2XSY - 6 / 10 (12) kV

XLPE PVC



DESCRIPTION

Conductor: Stranded Class 2 Bare Copper, **Conductor Screen:** Semi-conductive material (Bonded Type), **Insulation:** XLPE (Cross-Linked Polyethylene), **Insulation Screen:** Semi-conductive material (Strippable Type), **Metallic Screen:** Copper Wire Screen + Copper Tape open helix, **Sheath:** PVC (Polyvinyl Chloride), **Sheath Colour:** Red or Black.

APPLICATION

Medium voltage cable designed for power distribution networks, generation facilities, and industrial plant connections. Suitable for direct burial, as well as installation outdoors, indoors, and in cable ducts.

TECHNICAL DATA

Voltage Rating:	6/10 (12)kV
Max. Cond. Operating Temp.:	+90°C
Initial Temp. at S.C.C for Metallic Screen:	+80°C
Max. Cond. Temp. during S.C:	+250°C
Min. Bend. Radius:	15 x D
Flame Retardant:	IEC/EN 60332-1-2
UV-Resistant:	Yes
Standards:	IEC 60502-2, EN 60228

TDS 1 OF 2



N2XSYP - 6 / 10 (12) kV

XLPE PVC

No. of Cores	Cond. Size	Nom. Screen CSA	Nom. Insulation Thickness	Nom. Sheath Thickness	Nom. OD	Nom. Weight
	mm ²	mm ²	mm	mm	mm	Kg/Km
1	50	16	3.4	1.7	21.8	897
1	70	16	3.4	1.7	23.6	1117
1	95	16	3.4	1.8	25.1	1387
1	120	16	3.4	1.8	26.5	1636
1	150	25	3.4	1.9	28.5	2020
1	185	25	3.4	1.9	30	2361
1	240	25	3.4	2	32.6	2952
1	300	25	3.4	2.1	35	3521
1	400	35	3.4	2.2	38	4450
1	500	35	3.4	2.3	41.6	5457
1	630	35	3.4	2.4	46.5	6893
1	800	35	3.4	2.5	50.8	8694

ALL FIGURES QUOTED ARE APPROXIMATE

Cond. Size	Max. DC Resistance @ 20°C	Max AC Resistance @ Op. Temp. 50Hz	Capacitance	Charging Current	Dielectric Losses	Reactance @ 50Hz	Conductor SCC 1 sec	Copper Screen SCC 1 sec	Current Carrying Capacity A	
mm ²	Ω/Km	Ω/Km	μF/Km	A/Km	W/Km	Ω/Km	kA	kA	In Ground	In Free Air
50	0.387	0.494	0.263	0.496	11.9	0.122	7.15	3.2	234	244
70	0.268	0.342	0.303	0.571	13.71	0.115	10.01	3.2	279	309
95	0.193	0.247	0.332	0.625	15	0.111	13.585	3.2	332	373
120	0.153	0.196	0.362	0.683	16.4	0.107	17.16	3.2	376	432
150	0.124	0.159	0.397	0.75	17.99	0.103	21.45	5	421	489
185	0.0991	0.128	0.43	0.812	19.47	0.1	26.455	5	476	562
240	0.0754	0.098	0.483	0.911	21.85	0.097	34.32	5	550	665
300	0.0601	0.078	0.535	1.009	24.22	0.093	42.9	5	618	765
400	0.047	0.062	0.592	1.116	26.79	0.091	57.2	7.1	695	882
500	0.0366	0.049	0.666	1.256	30.14	0.088	71.5	7.1	779	1014
630	0.0283	0.039	0.768	1.449	34.77	0.087	90.09	7.1	864	1152
800	0.0221	0.032	0.858	1.617	38.81	0.084	114.4	7.1	945	1295

ALL FIGURES QUOTED ARE APPROXIMATE

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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