

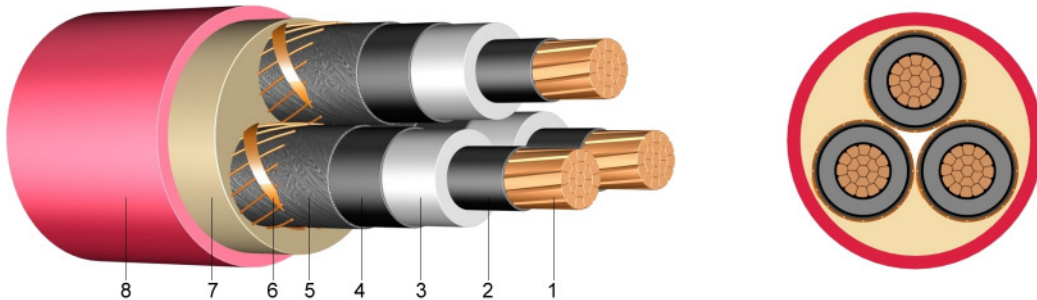
## Datasheet N2XSEY

Version 1/2009

## Three-Core XLPE Insulation Cable with PVC Outer Sheath

### Application:

To be laid directly in ground, outdoors, indoors and in cable ducts e.g. in industrial and switchboard plants.



### Construction:

- 1 ..... stranded bare copper
- 2 ..... inner layer of semi-conducting material
- 3 ..... core insulation of cross-linked polyethylene
- 4 ..... outer layer of semi-conducting material
- 5 ..... semi-conducting tape
- 6 ..... screen of copper wires
- 7 ..... inner covering over laid-up cores
- 8 ..... outer sheath of polyvinylchloride (PVC), red

### Information:

short circuit temperature (max. 5 sec.)  
 $\leq 300\text{mm}^2 \rightarrow 160^\circ\text{C}$   
 $> 300\text{mm}^2 \rightarrow 140^\circ\text{C}$

### According to:

DIN VDE 0276-620  
 HD 620 S1: 1996  
 IEC 60502  
 DIN EN 60228 class 2 (construction)

### Technical data:

Nominal voltage $U_0/U$		[V]	6000 / 10000 Volt
Test voltage		[V] <sub>AC</sub>	21000
Temperature range	in motion		- 5°C till +70°C
	fixed		-20°C till +70°C
Operating temperature	short circuit	°C	250
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	15
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground A	Current carrying capacity air A
			appr. kg / km		
mm <sup>2</sup>	kg/km	appr. mm			
3 x 35 RM/16	1.260	49	2.600	213	213
3 x 50 RM/16	1.690	51	2.900	220	236
3 x 70 RM/16	2.290	55	3.350	261	265
3 x 95 RM/16	3.119	58	4.200	312	322
3 x 120 RM/16	3.790	62	5.050	355	370
3 x 150 RM/25	4.795	66	6.000	399	420
3 x 185 RM/25	5.845	69	7.200	451	481
3 x 240 RM/25	7.495	75	9.000	523	566