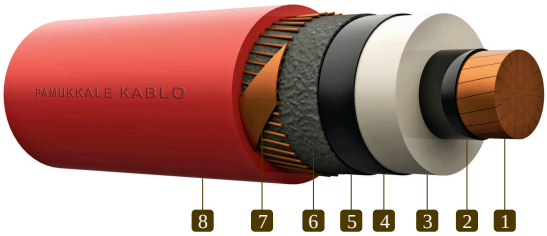
CONSTRUCTION

1 Copper conductor (class 2)
2 Inner semi conductive layer
3 XLPE insulation
4 Outer semi conductive layer
5 Semi conductive crepe paper
6 Concentric conductor
7 Copper tape
8 PVC outer sheath



SPECIFICATIONS

Code : N2XSY
Standards : VDE 0273 IEC 60502-2
Rated voltage : Uo/U=6/10 kV
Uo/U=8.7/15 kV
Uo/U=12/20 kV
Uo/U=18/30 kV
Uo/U=20.3/35 kV

Application :
On this cable, electrical losses are minimized. Used for supplying power for populated and industrial regions, networks having voltage increase risk; can be installed in underground, indoor, outdoor and also in cable channel applications.

Temperature Range

Max. Operation Temperature

Short Circuit Temperature


Flame Retardant
IEC 60332 -1-2

Min. Bending Radius

RoHS

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter approx.	Net weight approx.	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Operating inductance approx		Operating capacity approx	Current carrying capacity in (30°C)			
								Earth		Air	
mm^2	mm	kg/km	m	Ω / km (max.)	mH/km ⊙⊙⊙	mH/km ⊙⊙⊙	MF/km	A ⊙ ⊙ ⊙	A ⊙⊙⊙	A ⊙ ⊙ ⊙	A ⊙⊙⊙
6/10 (12) kV											
1x35/16 rm	22	800	120	0.524	0.75	0.42	0.22	172	166	238	198
1x50/16 rm	23	940	130	0.387	0.72	0.40	0.24	203	196	286	238
1x70/16 rm	25	1160	140	0.268	0.69	0.38	0.28	246	239	356	296
1x95/16 rm	27	1420	140	0.193	0.66	0.36	0.31	293	285	434	361
1x120/16 rm	28	1670	150	0.153	0.64	0.35	0.33	332	323	500	417
1x150/25 rm	30	2060	150	0.124	0.62	0.34	0.36	366	361	559	473
1x185/25 rm	31	2400	160	0.0991	0.60	0.33	0.40	410	406	637	543
1x240/25 rm	34	2970	180	0.0754	0.58	0.31	0.45	470	469	745	641
1x300/25 rm	37	3650	180	0.0601	0.56	0.30	0.51	524	526	846	735
1x400/35 rm	40	4550	200	0.0470	0.54	0.29	0.57	572	590	938	845
1x500/35 rm	44	5650	220	0.0366	0.53	0.28	0.63	632	658	1020	942

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter approx.	Net weight approx.	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Operating inductance approx		Operating capacity approx	Current carrying capacity in (30°C)			
								Earth		Air	
mm^2	mm	kg/km	m	Ω / km (max.)	mH/km ⊙⊙⊙	mH/km ⁂	MF/km	A ⊙ ⊙ ⊙	A ⁂	A ⊙ ⊙ ⊙	A ⁂
8.7/15 (17.5) kV											
1x35/16 rm	24	875	130	0.524	0.75	0.44	0.18	172	166	238	198
1x50/16 rm	26	1020	140	0.387	0.73	0.42	0.19	203	196	286	238
1x70/16 rm	27	1240	140	0.268	0.70	0.40	0.22	246	239	356	296
1x95/16 rm	29	1520	150	0.193	0.66	0.37	0.25	293	285	434	361
1x120/16 rm	31	1770	160	0.153	0.64	0.36	0.27	332	323	500	417
1x150/25 rm	32	2160	160	0.124	0.63	0.35	0.29	366	361	559	473
1x185/25 rm	34	2520	180	0.0991	0.61	0.34	0.31	410	406	637	543
1x240/25 rm	36	3090	180	0.0754	0.58	0.33	0.35	470	469	745	641
1x300/25 rm	39	3780	200	0.0601	0.57	0.31	0.40	524	526	846	735
1x400/35 rm	43	4690	220	0.0470	0.55	0.30	0.44	572	590	938	845
1x500/35 rm	46	5780	220	0.0366	0.53	0.29	0.49	632	658	1020	942
12/20 (24) kV											
1x35/16 rm	26	960	140	0.524	0.75	0.42	0.16	172	166	238	198
1x50/16 rm	28	1100	150	0.387	0.72	0.40	0.18	203	196	286	238
1x70/16 rm	30	1350	150	0.268	0.69	0.38	0.20	246	239	356	296
1x95/16 rm	31	1620	160	0.193	0.66	0.36	0.22	293	285	434	361
1x120/16 rm	33	1900	160	0.153	0.64	0.35	0.24	332	323	500	417
1x150/25 rm	35	2275	180	0.124	0.62	0.34	0.26	366	361	559	473
1x185/25 rm	36	2650	180	0.0991	0.60	0.33	0.28	410	406	637	543
1x240/25 rm	39	3250	200	0.0754	0.58	0.31	0.31	470	469	745	641
1x300/25 rm	42	3960	200	0.0601	0.56	0.30	0.34	524	526	846	735
1x400/35 rm	45	4870	220	0.0470	0.54	0.29	0.37	572	590	938	845
1x500/35 rm	49	5950	240	0.0366	0.54	0.29	0.41	632	658	1020	942
18/30 (36)kV											
1x35/16 rm	32	1200	160	0.524	0.75	0.42	0.13	172	166	238	198
1x50/16 rm	33	1350	160	0.387	0.75	0.42	0.14	203	196	286	238
1x70/16 rm	35	1620	180	0.268	0.72	0.40	0.16	246	239	356	296
1x95/16 rm	37	1900	180	0.193	0.69	0.38	0.17	293	285	434	361
1x120/16 rm	39	2200	200	0.153	0.66	0.36	0.18	332	323	500	417
1x150/25 rm	40	2600	200	0.124	0.64	0.35	0.20	366	361	559	473
1x185/25 rm	42	3000	200	0.0991	0.62	0.34	0.21	410	406	637	543
1x240/25 rm	44	3600	220	0.0754	0.60	0.33	0.23	470	469	745	641
1x300/25 rm	47	4300	220	0.0601	0.58	0.31	0.25	524	526	846	735
1x400/35 rm	50	5270	240	0.0470	0.56	0.30	0.28	572	590	938	845
1x500/35 rm	54	6400	260	0.0366	0.43	0.30	0.36	632	658	1020	942
20.3/35 (42)kV											
1x35/16 rm	34	1300	180	0.524	0.77	0.51	0.11	172	166	238	198
1x50/16 rm	35	1500	180	0.387	0.75	0.42	0.12	203	196	286	238
1x70/16 rm	37	1750	180	0.268	0.71	0.40	0.14	246	239	356	296
1x95/16 rm	39	2050	200	0.193	0.68	0.38	0.15	293	285	434	361
1x120/16 rm	41	2350	200	0.153	0.66	0.36	0.16	332	323	500	417
1x150/25 rm	42	2750	200	0.124	0.64	0.35	0.17	366	361	559	473
1x185/25 rm	44	3100	220	0.0991	0.62	0.39	0.18	410	406	637	543
1x240/25 rm	46	3700	220	0.0754	0.60	0.37	0.20	470	469	745	641
1x300/25 rm	49	4480	240	0.0601	0.59	0.36	0.23	524	526	846	735
1x400/35 rm	53	5420	260	0.0470	0.57	0.35	0.25	572	590	938	845
1x500/35 rm	56	6550	260	0.0366	0.55	0.33	0.28	632	658	1020	942