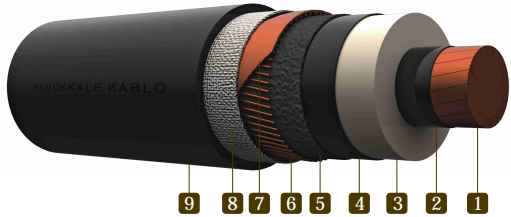


CONSTRUCTION

- 1 Copper conductor (class 2)
- 2 Inner semi conductive layer
- 3 XLPE insulation
- 4 Outer semi conductive layer
- 5 Semi conductive water blocking tape
- 6 Concentric conductor
- 7 Copper tape
- 8 Water Swelling tape
- 9 PE outer sheath



SPECIFICATIONS

Code : N2XS(F)2Y
 Standards : VDE 0273 IEC 60502-2
 Rated voltage : U₀/U=6/10 kV
 U₀/U=8.7/15 kV
 U₀/U=12/20 kV
 U₀/U=18/30 kV
 U₀/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. These cables can also be used in humid and wet 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)			
					mH/km	mH/km		Earth		Air	
mm ²	mm	kg/km	m	/ km (max.)	⊙ ⊙ ⊙	⊙ ⊙ ⊙	MF/km	⊙ ⊙ ⊙	⊙ ⊙ ⊙	⊙ ⊙ ⊙	⊙ ⊙ ⊙
6/10 (12) kV											
1x35/16 mm	23	800	130	0.524	0.75	0.42	0.22	172	166	238	198
1x50/16 mm	24	940	130	0.387	0.72	0.40	0.24	203	196	286	238
1x70/16 mm	26	1160	140	0.268	0.69	0.38	0.28	246	239	356	296
1x95/16 mm	28	1420	150	0.193	0.66	0.36	0.31	293	285	434	361
1x120/16 mm	30	1670	150	0.153	0.64	0.35	0.33	332	323	500	417
1x150/25 mm	31	2060	160	0.124	0.62	0.34	0.36	366	361	559	473
1x185/25 mm	32	2400	160	0.0991	0.60	0.33	0.40	410	406	637	543
1x240/25 mm	35	2970	180	0.0754	0.58	0.31	0.45	470	469	745	641
1x300/25 mm	38	3650	200	0.0601	0.56	0.30	0.51	524	526	846	735
1x400/35 mm	41	4550	200	0.0470	0.54	0.29	0.57	572	590	938	845
1x500/35 mm	45	5650	220	0.0366	0.53	0.28	0.63	632	658	1026	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)			
					mH/km	mH/km		Earth		Air	
mm ²	mm	kg/km	m	/ km (max.)	⊙ ⊙ ⊙	⊙ ⊙	MF/km	A	A	A	A
8.7/15 (17.5) kV											
1x35/16 mm	25	875	140	0.524	0.75	0.44	0.19	172	166	238	198
1x50/16 mm	27	1020	140	0.387	0.73	0.42	0.21	203	196	286	238
1x70/16 mm	28	1240	150	0.268	0.70	0.40	0.23	246	239	356	296
1x95/16 mm	30	1520	150	0.193	0.66	0.37	0.26	293	285	434	361
1x120/16mm	31	1770	160	0.153	0.64	0.36	0.28	332	323	500	417
1x150/25 mm	33	2160	160	0.124	0.63	0.35	0.30	366	361	559	473
1x185/25 mm	34	2520	180	0.0991	0.61	0.34	0.33	410	406	637	543
1x240/25 mm	37	3090	180	0.0754	0.58	0.33	0.37	470	469	745	641
1x300/25 mm	40	3780	200	0.0601	0.57	0.31	0.40	524	526	846	735
1x400/35 mm	43	4690	220	0.0470	0.55	0.30	0.44	572	590	938	845
1x500/35 mm	47	5780	220	0.0366	0.53	0.29	0.49	632	658	1026	942
12/20 (24) kV											
1x35/16 mm	27	960	140	0.524	0.75	0.42	0.16	172	166	238	198
1x50/16 mm	28	1100	150	0.387	0.72	0.40	0.18	203	196	286	238
1x70/16 mm	30	1350	150	0.268	0.69	0.38	0.20	246	239	356	296
1x95/16 mm	32	1620	160	0.193	0.66	0.36	0.22	293	285	434	361
1x120/16mm	34	1900	180	0.153	0.64	0.35	0.24	332	323	500	417
1x150/25mm	35	2275	180	0.124	0.62	0.34	0.26	366	361	559	473
1x185/25mm	37	2650	180	0.0991	0.60	0.33	0.28	410	406	637	543
1x240/25mm	39	3250	200	0.0754	0.58	0.31	0.31	470	469	745	641
1x300/25mm	42	3960	200	0.0601	0.56	0.30	0.34	524	526	846	735
1x400/35mm	45	4870	220	0.0470	0.54	0.29	0.37	572	590	938	845
1x500/35mm	49	5950	240	0.0366	0.54	0.29	0.41	632	658	1026	942
18/30 (36) kV											
1x35/16 mm	33	1200	160	0.524	0.75	0.42	0.13	172	166	238	198
1x50/16 mm	34	1350	180	0.387	0.75	0.42	0.14	203	196	286	238
1x70/16 mm	36	1620	180	0.268	0.72	0.40	0.16	246	239	356	296
1x95/16 mm	37	1900	180	0.193	0.69	0.38	0.17	293	285	434	361
1x120/16mm	39	2200	200	0.153	0.69	0.36	0.18	332	323	500	417
1x150/25 mm	40	2600	200	0.124	0.64	0.35	0.20	366	361	559	473
1x185/25 mm	42	3000	200	0.0991	0.62	0.34	0.21	410	406	637	543
1x240/25 mm	45	3600	220	0.0754	0.60	0.33	0.23	470	469	745	641
1x300/25 mm	48	4300	240	0.0601	0.58	0.31	0.25	524	526	846	735
1x400/35 mm	51	5270	260	0.0470	0.56	0.30	0.28	572	590	938	845
1x500/35 mm	55	6400	260	0.0366	0.53	0.30	0.30	632	658	1026	942
20.3/35 (42) kV											
1x35/16 mm	35	1300	180	0.524	0.77	0.51	0.11	172	166	238	198
1x50/16 mm	36	1500	180	0.387	0.75	0.42	0.12	203	196	286	238
1x70/16 mm	38	1750	200	0.268	0.71	0.40	0.14	246	239	356	296
1x95/16 mm	39	2050	200	0.193	0.68	0.38	0.15	293	285	434	361
1x120/16mm	41	2350	200	0.153	0.66	0.36	0.16	332	323	500	417
1x150/25mm	43	2750	220	0.124	0.64	0.35	0.17	366	361	559	473
1x185/25mm	44	3100	220	0.0991	0.62	0.39	0.18	410	406	637	543
1x240/25mm	47	3700	220	0.0754	0.60	0.37	0.20	470	469	745	641
1x300/25mm	50	4480	240	0.0601	0.59	0.36	0.23	524	526	846	735
1x400/35mm	53	5420	260	0.0470	0.57	0.35	0.25	572	590	938	845
1x500/35mm	57	6550	260	0.0366	0.55	0.33	0.28	632	658	1026	942