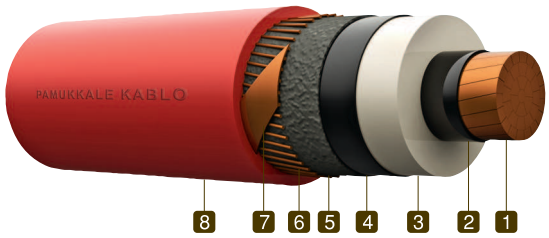
MEDIUM AND HIGH VOLTAGE POWER CABLES

N2XSY
N2XS(F)2Y
NA2XS(F)2Y
CU/XLPE/SC/AWA/PVC
N2XSEY
N2XSEYFGY
N2XSEYBY
N2XSEYRY
2XS(FL)2Y

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

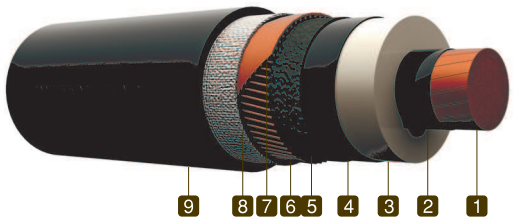
Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Operating inductance approx		Operating capacity approx	Current carrying capacity in (30°C)			
								Earth		Air	
mm^2	mm	kg/km	m	Ω / km (max.)	mH/km ⊙⊙⊙	mH/km ⊙⊙ ⊙	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	
mm²	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

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 : 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.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

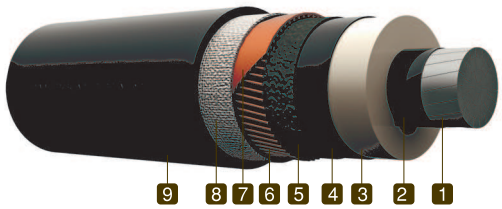
Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Operating inductance approx		Operating capacity approx	Current carrying capacity in (30°C)			
								Earth		Air	
mm^2	mm	kg/km	m	Ω / km (max.)	mH/km ⊙⊙⊙	mH/km ⊙⊙ ⊙	MF/km	A ⊙ ⊙ ⊙	A ⊙⊙ ⊙	A ⊙ ⊙ ⊙	A ⊙⊙ ⊙
6/10 (12) kV											
1x35/16 rm	23	800	130	0.524	0.75	0.42	0.22	172	166	238	198
1x50/16 rm	24	940	130	0.387	0.72	0.40	0.24	203	196	286	238
1x70/16 rm	26	1160	140	0.268	0.69	0.38	0.28	246	239	356	296
1x95/16 rm	28	1420	150	0.193	0.66	0.36	0.31	293	285	434	361
1x120/16 rm	30	1670	150	0.153	0.64	0.35	0.33	332	323	500	417
1x150/25 rm	31	2060	160	0.124	0.62	0.34	0.36	366	361	559	473
1x185/25 rm	32	2400	160	0.0991	0.60	0.33	0.40	410	406	637	543
1x240/25 rm	35	2970	180	0.0754	0.58	0.31	0.45	470	469	745	641
1x300/25 rm	38	3650	200	0.0601	0.56	0.30	0.51	524	526	846	735
1x400/35 rm	41	4550	200	0.0470	0.54	0.29	0.57	572	590	938	845
1x500/35 rm	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)			
								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	25	875	140	0.524	0.75	0.44	0.19	172	166	238	198
1x50/16 rm	27	1020	140	0.387	0.73	0.42	0.21	203	196	286	238
1x70/16 rm	28	1240	150	0.268	0.70	0.40	0.23	246	239	356	296
1x95/16 rm	30	1520	150	0.193	0.66	0.37	0.26	293	285	434	361
1x120/16 rm	31	1770	160	0.153	0.64	0.36	0.28	332	323	500	417
1x150/25 rm	33	2160	160	0.124	0.63	0.35	0.30	366	361	559	473
1x185/25 rm	34	2520	180	0.0991	0.61	0.34	0.33	410	406	637	543
1x240/25 rm	37	3090	180	0.0754	0.58	0.33	0.37	470	469	745	641
1x300/25 rm	40	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	47	5780	220	0.0366	0.53	0.29	0.49	632	658	1026	942
12/20 (24) kV											
1x35/16 rm	27	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	32	1620	160	0.193	0.66	0.36	0.22	293	285	434	361
1x120/16 rm	34	1900	180	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	37	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	1026	942
18/30 (36) kV											
1x35/16 rm	33	1200	160	0.524	0.75	0.42	0.13	172	166	238	198
1x50/16 rm	34	1350	180	0.387	0.75	0.42	0.14	203	196	286	238
1x70/16 rm	36	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	0.69	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	45	3600	220	0.0754	0.60	0.33	0.23	470	469	745	641
1x300/25 rm	48	4300	240	0.0601	0.58	0.31	0.25	524	526	846	735
1x400/35 rm	51	5270	260	0.0470	0.56	0.30	0.28	572	590	938	845
1x500/35 rm	55	6400	260	0.0366	0.53	0.30	0.30	632	658	1026	942
20.3/35 (42) kV											
1x35/16 rm	35	1300	180	0.524	0.77	0.51	0.11	172	166	238	198
1x50/16 rm	36	1500	180	0.387	0.75	0.42	0.12	203	196	286	238
1x70/16 rm	38	1750	200	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	43	2750	220	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	47	3700	220	0.0754	0.60	0.37	0.20	470	469	745	641
1x300/25 rm	50	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	57	6550	260	0.0366	0.55	0.33	0.28	632	658	1026	942

CONSTRUCTION

1 Aluminium 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 : NA2XS(F)2Y
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.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

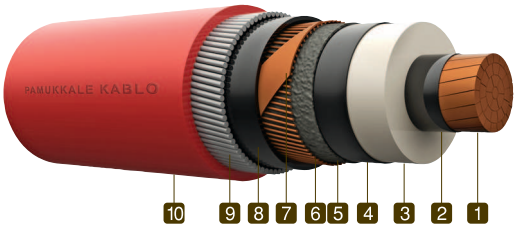
Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Operating inductance approx		Operating capacity approx	Current carrying capacity in (30°C)			
								Earth		Air	
mm^2	mm	kg/km	m	Ω / km (max.)	mH/km ⊙⊙⊙	mH/km ⊙⊙	MF/km	A ⊙ ⊙ ⊙	A ⊙⊙	A ⊙ ⊙ ⊙	A ⊙⊙
6/10 (12) kV											
1x35/16 rm	23	600	130	0.641	0.78	0.43	0.23	134	129	123	122
1x50/16 rm	24	670	130	0.443	0.73	0.41	0.24	157	152	146	144
1x70/16 rm	26	765	140	0.320	0.69	0.38	0.27	192	186	178	176
1x95/16 rm	28	870	150	0.253	0.66	0.36	0.30	229	221	213	210
1x120/16 rm	29	995	150	0.206	0.64	0.35	0.33	260	252	242	240
1x150/25 rm	31	1200	160	0.206	0.62	0.34	0.36	288	281	271	267
1x185/25 rm	33	1350	160	0.164	0.61	0.33	0.39	324	317	307	303
1x240/25 rm	35	1580	180	0.125	0.58	0.32	0.44	373	367	356	351
1x300/25 rm	37	1800	200	0.100	0.56	0.31	0.48	419	414	402	397
1x400/35 rm	41	2200	200	0.0778	0.55	0.30	0.53	466	470	457	451
1x500/35 rm	44	2650	220	0.0605	0.53	0.29	0.59	526	542	508	502

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	25	700	140	0.868	0.76	0.45	0.16	134	129	123	122
1x50/16 rm	26	770	140	0.641	0.73	0.43	0.19	157	152	146	144
1x70/16 rm	28	850	150	0.443	0.70	0.40	0.22	192	186	178	176
1x95/16 rm	30	1000	150	0.320	0.67	0.38	0.24	229	221	213	210
1x120/16 rm	31	1100	160	0.253	0.65	0.37	0.27	260	252	242	240
1x150/25 rm	33	1300	160	0.206	0.63	0.35	0.29	288	281	271	267
1x185/25 rm	35	1500	180	0.164	0.61	0.34	0.31	324	317	307	303
1x240/25 rm	37	1700	180	0.125	0.59	0.33	0.34	373	367	356	351
1x300/25 rm	40	1950	200	0.100	0.57	0.32	0.38	419	414	402	397
1x400/35 rm	43	2400	220	0.0778	0.55	0.31	0.41	466	470	457	451
1x500/35 rm	46	2800	220	0.0605	0.53	0.30	0.46	526	542	508	502
12/20 (24) kV											
1x35/16 rm	27	800	140	0.868	0.75	0.43	0.14	134	129	123	122
1x50/16 rm	29	850	150	0.641	0.72	0.41	0.17	157	152	146	144
1x70/16 rm	30	950	150	0.443	0.69	0.39	0.19	192	186	178	176
1x95/16 rm	32	1100	160	0.320	0.66	0.36	0.21	229	221	213	210
1x120/16 rm	34	1200	180	0.253	0.64	0.35	0.23	260	252	242	240
1x150/25 rm	35	1500	180	0.206	0.62	0.33	0.25	288	281	271	267
1x185/25 rm	37	1600	180	0.164	0.59	0.32	0.27	324	317	307	303
1x240/25 rm	40	1850	200	0.125	0.57	0.31	0.30	373	367	356	351
1x300/25 rm	42	2100	200	0.100	0.55	0.30	0.32	419	414	402	397
1x400/35 rm	45	2550	220	0.0778	0.53	0.29	0.35	466	470	457	451
1x500/35 rm	48	2950	240	0.0605	0.51	0.27	0.37	526	542	508	502
18/30 (36) kV											
1x35/16 rm	33	1050	160	0.868	0.74	0.49	0.11	134	129	123	122
1x50/16 rm	34	1100	180	0.641	0.71	0.47	0.13	157	152	146	144
1x70/16 rm	36	1250	180	0.443	0.68	0.45	0.15	192	186	178	176
1x95/16 rm	37	1360	180	0.320	0.64	0.42	0.16	229	221	213	210
1x120/16 rm	39	1550	200	0.253	0.62	0.41	0.17	260	252	242	240
1x150/25 rm	41	1750	200	0.206	0.59	0.40	0.19	288	281	271	267
1x185/25 rm	42	1950	200	0.164	0.57	0.38	0.20	324	317	307	303
1x240/25 rm	45	2200	220	0.125	0.55	0.37	0.22	373	367	356	351
1x300/25 rm	47	2450	240	0.100	0.53	0.35	0.24	419	414	402	397
1x400/35 rm	50	2950	260	0.0778	0.51	0.34	0.26	466	470	457	451
1x500/35 rm	54	3450	260	0.0605	0.49	0.33	0.28	526	542	508	502
20.3/35 (42) kV											
1x35/16 rm	35	1150	180	0.868	0.74	0.49	0.11	134	129	123	122
1x50/16 rm	36	1250	180	0.641	0.71	0.47	0.13	157	152	146	144
1x70/16 rm	38	1400	200	0.443	0.68	0.45	0.15	192	186	178	176
1x95/16 rm	40	1500	200	0.320	0.64	0.42	0.16	229	221	213	210
1x120/16 rm	41	1650	200	0.253	0.62	0.41	0.17	260	252	242	240
1x150/25 rm	43	1900	220	0.206	0.59	0.40	0.19	288	281	271	267
1x185/25 rm	45	2100	220	0.164	0.57	0.38	0.20	324	317	307	303
1x240/25 rm	47	2350	220	0.125	0.55	0.37	0.22	373	367	356	351
1x300/25 rm	49	2650	240	0.100	0.53	0.35	0.24	419	414	402	397
1x400/35 rm	53	3100	260	0.0778	0.51	0.34	0.26	466	470	457	451
1x500/35 rm	56	3600	260	0.0605	0.49	0.33	0.28	526	542	508	502

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 separation sheath
9 Aluminium round wire
10 PVC outer sheath



SPECIFICATIONS

Code : CU/XLPE / SC / AWA / PVC
Standards : BS 6622 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. The armour in the structure makes the cable necessary where there is mechanical stress risk.

Temperature Range

Max. Operation Temperature

Short Circuit Temperature


Flame Retardant
IEC 60332 -1-2

Min. Bending Radius

RoHS

PHYSICAL AND ELECTRICAL PROPERTIES

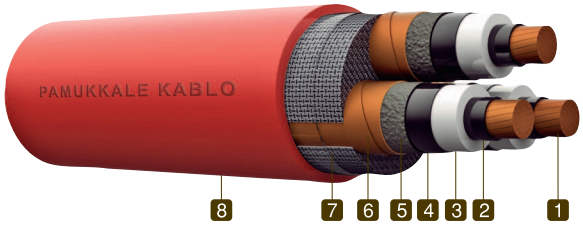
Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Operating inductance approx		Operating capacity approx	Current carrying capacity in (30°C)			
								Earth		Air	
mm^2	mm	kg/km	m	Ω / km (max.)	mH/km ⊙⊙⊙	mH/km ⊙⊙⊙	MF/km	A ⊙ ⊙ ⊙	A ⊙⊙⊙	A ⊙ ⊙ ⊙	A ⊙⊙⊙
6/10 (12)kV											
1x35/16 rm	28	1150	150	0.524	0.75	0.42	0.22	172	166	238	198
1x50/16 rm	29	1330	150	0.387	0.72	0.40	0.24	203	196	286	238
1x70/16 rm	31	1600	160	0.268	0.69	0.38	0.28	246	239	356	296
1x95/16 rm	32	1900	160	0.193	0.66	0.36	0.31	293	285	434	361
1x120/16 rm	35	2300	180	0.153	0.64	0.35	0.33	332	323	500	417
1x150/25 rm	36	2700	180	0.124	0.62	0.34	0.36	366	361	559	473
1x185/25 rm	38	3050	200	0.0991	0.60	0.33	0.40	410	406	637	543
1x240/25 rm	41	3700	200	0.0754	0.58	0.31	0.45	470	469	745	641
1x300/25 rm	44	4450	220	0.0601	0.56	0.30	0.51	524	526	846	735
1x400/35 rm	48	5450	240	0.0470	0.54	0.29	0.57	572	590	938	845
1x500/35 rm	51	6600	260	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)			
								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	30	1280	150	0.524	0.75	0.44	0.19	172	166	238	198
1x50/16 rm	31	1450	160	0.387	0.73	0.42	0.21	203	196	286	238
1x70/16 rm	34	1730	180	0.268	0.70	0.40	0.23	246	239	356	296
1x95/16 rm	36	2050	180	0.193	0.66	0.37	0.26	293	285	434	361
1x120/16 rm	37	2400	180	0.153	0.64	0.36	0.28	332	323	500	417
1x150/25 rm	39	2820	200	0.124	0.63	0.35	0.30	366	361	559	473
1x185/25 rm	41	3250	200	0.0991	0.61	0.34	0.33	410	406	637	543
1x240/25 rm	43	3850	220	0.0754	0.58	0.33	0.37	470	469	745	641
1x300/25 rm	46	4650	220	0.0601	0.57	0.31	0.40	524	526	846	735
1x400/35 rm	50	5600	240	0.0470	0.55	0.30	0.44	572	590	938	845
1x500/35 rm	54	6830	260	0.0366	0.53	0.29	0.49	632	658	1026	942
12/20 (24) kV											
1x35/16 rm	32	1400	160	0.524	0.78	0.44	0.16	172	166	238	198
1x50/16 rm	34	1600	180	0.387	0.75	0.42	0.18	203	196	286	238
1x70/16 rm	36	1950	180	0.268	0.72	0.40	0.20	246	239	356	296
1x95/16 rm	38	2300	200	0.193	0.69	0.38	0.22	293	285	434	361
1x120/16 rm	40	2600	200	0.153	0.66	0.36	0.24	332	323	500	417
1x150/25 rm	41	3020	200	0.124	0.64	0.35	0.26	366	361	559	473
1x185/25 rm	43	3400	220	0.0991	0.62	0.34	0.28	410	406	637	543
1x240/25 rm	46	4050	220	0.0754	0.60	0.33	0.31	470	469	745	641
1x300/25 rm	49	4850	240	0.0601	0.58	0.31	0.34	524	526	846	735
1x400/35 rm	52	5850	260	0.0470	0.54	0.30	0.37	572	590	938	845
1x500/35 rm	56	7050	260	0.0366	0.54	0.29	0.41	632	658	1026	942
18/30 (36) kV											
1x35/16 rm	39	1850	200	0.524	0.75	0.42	0.13	172	166	238	198
1x50/16 rm	40	2050	200	0.387	0.72	0.40	0.14	203	196	286	238
1x70/16 rm	42	2350	200	0.268	0.69	0.38	0.16	246	239	356	296
1x95/16 rm	43	2700	220	0.193	0.66	0.36	0.17	293	285	434	361
1x120/16 rm	46	3160	220	0.153	0.64	0.35	0.18	332	323	500	417
1x150/25 rm	48	3600	240	0.124	0.62	0.34	0.20	366	361	559	473
1x185/25 rm	49	4020	240	0.0991	0.60	0.33	0.21	410	406	637	543
1x240/25 rm	52	4700	260	0.0754	0.58	0.31	0.23	470	469	745	641
1x300/25 rm	55	5500	260	0.0601	0.58	0.31	0.25	524	526	846	735
1x400/35 rm	59	6570	260	0.0470	0.56	0.30	0.28	572	590	938	845
1x500/35 rm	63	7850	280	0.0366	0.43	0.30	0.30	632	658	1026	942

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 Copper tape screen
7 PP filler
8 PVC outer sheath



SPECIFICATIONS

Code : N2XSEY
Standards : VDE 0273
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 length	Delivery drum type	Conductor DC resistance at 20°C	Operating inductance approx	Operating capacity approx	Current carrying capacity in (30°C)	
								Earth	Air
mm²	mm	kg/km	m	cm	Ω / km (max.)	mH/km	MF/km	A	A
6/10 (12) kV									
3x35/16 rm	43	2700	500	180	0.524	0.37	0.22	154	172
3x50/16 rm	46	2950	500	180	0.387	0.35	0.24	181	205
3x70/16 rm	49	3900	500	180	0.268	0.33	0.28	220	253
3x95/16 rm	53	4950	500	200	0.193	0.32	0.31	263	307
3x120/16 rm	57	5850	500	220	0.153	0.31	0.34	298	352
3x150/25 rm	61	6900	500	220	0.124	0.30	0.36	332	397
3x185/25 rm	64	7950	500	240	0.0991	0.29	0.40	374	453
3x240/25 rm	69	9400	250	220	0.0754	0.28	0.45	431	529
3x300/25 rm	74	10650	250	240	0.0601	0.27	0.51	492	608

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery length	Delivery drum type	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	cm	Ω / km (max.)	mH/km	MF/km	A	A
8.7/15 (17.5) kV									
3x35/16 rm	49	3200	500	180	0.524	0.39	0.18	154	172
3x50/16 rm	51	3600	500	200	0.387	0.37	0.20	181	205
3x70/16 rm	55	4500	500	200	0.268	0.35	0.22	220	253
3x95/16 rm	59	5450	500	220	0.193	0.33	0.25	263	307
3x120/16 rm	63	6350	500	220	0.153	0.32	0.27	298	352
3x150/25 rm	66	7250	500	220	0.124	0.31	0.29	332	397
3x185/25 rm	69	8950	250	200	0.0991	0.30	0.32	374	453
3x240/25 rm	74	9500	250	220	0.0754	0.29	0.35	431	529
3x300/25 rm	79	1060	250	240	0.0601	0.27	0.40	492	608
12/20 (24) kV									
3x35/16 rm	52	3700	500	200	0.524	0.39	0.18	154	172
3x50/16 rm	54	4300	500	200	0.387	0.37	0.20	181	205
3x70/16 rm	58	5200	500	220	0.268	0.35	0.22	220	253
3x95/16 rm	62	6250	500	220	0.193	0.33	0.25	263	307
3x120/16 rm	65	7300	500	220	0.153	0.32	0.27	298	352
3x150/25 rm	69	8450	250	200	0.124	0.31	0.29	332	397
3x185/25 rm	72	9500	250	200	0.0991	0.30	0.32	374	453
3x240/25 rm	78	11900	250	220	0.0754	0.29	0.35	431	529
3x300/25 rm	83	13900	250	240	0.0601	0.27	0.33	492	608
18/30 (36) kV									
3x35/16 rm	63	4900	500	200	0.524	0.47	0.11	154	172
3x50/16 rm	66	5400	500	220	0.387	0.45	0.12	181	205
3x70/16 rm	70	6500	250	220	0.268	0.42	0.14	220	253
3x95/16 rm	74	7500	250	220	0.193	0.40	0.15	263	307
3x120/16 rm	77	8650	250	220	0.153	0.39	0.16	298	352
3x150/25 rm	80	9250	250	240	0.124	0.37	0.17	332	397
3x185/25 rm	84	10100	250	240	0.0991	0.36	0.19	374	453
3x240/25 rm	88	12100	250	240	0.0754	0.34	0.21	431	529
3x300/25 rm	93	15150	250	240	0.0601	0.33	0.23	492	608
20.3/35 (42) kV									
3x35/16 rm	68	5200	250	220	0.524	0.47	0.11	154	172
3x50/16 rm	71	6250	250	220	0.387	0.45	0.12	181	205
3x70/16 rm	75	7150	250	220	0.268	0.42	0.14	220	253
3x95/16 rm	78	8300	250	240	0.193	0.40	0.15	263	307
3x120/16 rm	82	9250	250	240	0.153	0.39	0.16	298	352
3x150/25 rm	85	10050	250	240	0.124	0.37	0.17	332	397
3x185/25 rm	88	11200	250	240	0.0991	0.36	0.19	374	453
3x240/25 rm	94	12500	250	240	0.0754	0.34	0.21	431	529
3x300/25 rm	98	15600	250	240	0.0601	0.33	0.23	492	608

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 Copper tape screen
7 PP filler
8 PVC separation sheath
9 Galvanized flat steel wire
10 Galvanized steel tape
11 PVC outer sheath

SPECIFICATIONS

Code : N2XSEYFGY
Standards : VDE 0273
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. The armour in the structure makes the cable necessary where there is mechanical stress risk.

PHYSICAL AND ELECTRICAL PROPERTIES

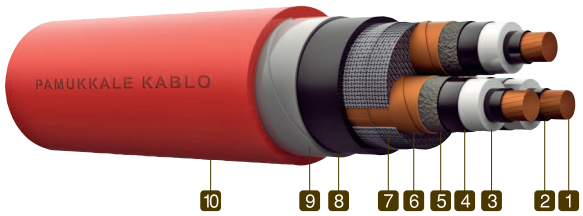
Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery length	Delivery drum type	Conductor DC resistance at 20°C	Operating inductance approx	Operating capacity approx	Current carrying capacity in (30°C)	
								Earth	Air
mm²	mm	kg/km	m	cm	Ω / km (max.)	mH/km	MF/km	A	A
6/10 (12) kV									
3x35/16 rm	49	3640	500	200	0.524	0.37	0.22	154	172
3x50/16 rm	52	4200	500	210	0.387	0.35	0.24	181	205
3x70/16 rm	57	5150	500	220	0.268	0.33	0.28	220	253
3x95/16 rm	60	6200	500	220	0.193	0.32	0.31	263	307
3x120/16 rm	64	7150	500	240	0.153	0.31	0.34	298	352
3x150/25 rm	67	8250	500	240	0.124	0.30	0.36	332	397
3x185/25 rm	71	9600	500	260	0.0991	0.29	0.40	374	453
3x240/25 rm	77	10650	250	220	0.0754	0.28	0.45	431	529
3x300/25 rm	83	14050	250	240	0.0601	0.27	0.51	492	608

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery length	Delivery drum type	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	cm	Ω / km (max.)	mH/km	MF/km	A	A
8.7/15 (17.5) kV									
3x35/16 rm	55	4200	500	210	0.524	0.39	0.18	154	172
3x50/16 rm	58	4800	500	220	0.387	0.37	0.20	181	205
3x70/16 rm	62	5750	500	220	0.268	0.35	0.22	220	253
3x95/16 rm	66	6850	500	240	0.193	0.33	0.25	263	307
3x120/16 rm	69	7850	250	200	0.153	0.32	0.27	298	352
3x150/25 rm	73	8950	250	210	0.124	0.31	0.29	332	397
3x185/25 rm	77	10300	250	220	0.0991	0.30	0.32	374	453
3x240/25 rm	83	12450	250	240	0.0754	0.29	0.35	431	529
3x300/25 rm	89	14900	250	260	0.0601	0.27	0.40	492	608
12/20 (24) kV									
3x35/16 rm	60	4750	500	220	0.524	0.39	0.18	154	172
3x50/16 rm	63	5350	500	220	0.387	0.37	0.20	181	205
3x70/16 rm	67	6350	500	240	0.268	0.35	0.22	220	253
3x95/16 rm	71	7450	500	260	0.193	0.33	0.25	263	307
3x120/16 rm	74	8450	250	210	0.153	0.32	0.27	298	352
3x150/25 rm	78	9600	250	220	0.124	0.31	0.29	332	397
3x185/25 rm	87	11000	250	240	0.0991	0.30	0.32	374	453
3x240/25 rm	88	13200	250	240	0.0754	0.29	0.35	431	529
3x300/25 rm	93	15700	250	260	0.0601	0.27	0.33	492	608
18/30 (36) kV									
3x35/16 rm	72	6250	250	210	0.524	0.47	0.11	154	172
3x50/16 rm	75	6900	250	220	0.387	0.45	0.12	181	205
3x70/16 rm	79	7950	250	220	0.268	0.42	0.14	220	253
3x95/16 rm	83	9100	250	240	0.193	0.40	0.15	263	307
3x120/16 rm	86	10200	250	240	0.153	0.39	0.16	298	352
3x150/25 rm	90	11400	250	260	0.124	0.37	0.17	332	397
3x185/25 rm	94	12900	250	260	0.0991	0.36	0.19	374	453
3x240/25 rm	100	15200	250	280	0.0754	0.34	0.21	431	529
3x300/25 rm	106	17800	250	300	0.0601	0.33	0.23	492	608
20.3/35 (42) kV									
3x35/16 rm	77	6900	250	220	0.524	0.47	0.11	154	172
3x50/16 rm	80	7600	250	220	0.387	0.45	0.12	181	205
3x70/16 rm	84	8650	250	240	0.268	0.42	0.14	220	253
3x95/16 rm	88	9850	250	240	0.193	0.40	0.15	263	307
3x120/16 rm	91	10950	250	260	0.153	0.39	0.16	298	352
3x150/25 rm	95	12150	250	260	0.124	0.37	0.17	332	397
3x185/25 rm	99	13700	250	280	0.0991	0.36	0.19	374	453
3x240/25 rm	105	16000	250	300	0.0754	0.34	0.21	431	529
3x300/25 rm	110	18550	250	300	0.0601	0.33	0.23	492	608

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 Copper tape screen
7 PP filler
8 PVC separation sheath
9 Galvanized double steel tape
10 PVC outer sheath



SPECIFICATIONS

Code : N2XSEYBY
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. The armour in the structure makes the cable necessary where there is mechanical stress risk.

Temperature Range

Max. Operation Temperature

Short Circuit Temperature


Flame Retardant IEC 60332 -1-2


Mechanical Resistance

Min. Bending Radius

RoHS

PHYSICAL AND ELECTRICAL PROPERTIES

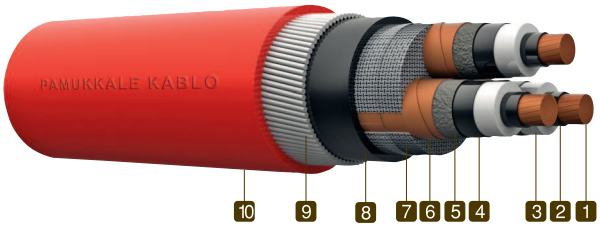
Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery length	Delivery drum type	Conductor DC resistance at 20°C	Operating inductance approx	Operating capacity approx	Current carrying capacity in (30°C)	
								Earth	Air
mm^2	mm	kg/km	m	cm	Ω / km (max.)	mH/km	MF/km	A	A
6/10 (12) kV									
3x35/16 rm	49	3400	500	200	0.524	0.37	0.22	154	172
3x50/16 rm	52	4000	500	210	0.387	0.35	0.24	181	205
3x70/16 rm	57	4900	500	220	0.268	0.33	0.28	220	253
3x95/16 rm	60	5900	500	220	0.193	0.32	0.31	263	307
3x120/16 rm	64	6850	500	240	0.153	0.31	0.34	298	352
3x150/25 rm	67	7900	500	240	0.124	0.30	0.36	332	397
3x185/25 rm	71	9250	500	260	0.0991	0.29	0.40	374	453
3x240/25 rm	77	11300	250	220	0.0754	0.28	0.45	431	529
3x300/25 rm	84	14450	250	240	0.0601	0.27	0.51	492	608

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter (approx.)	Net weight (approx.)	Delivery length	Delivery drum type	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	cm	Ω / km (max.)	mH/km	MF/km	A	A
8.7/15 (17.5) kV									
3x35/16 rm	55	3950	500	210	0.524	0.39	0.18	154	172
3x50/16 rm	58	4550	500	220	0.387	0.37	0.20	181	205
3x70/16 rm	62	5450	500	220	0.268	0.35	0.22	220	253
3x95/16 rm	66	6500	500	240	0.193	0.33	0.25	263	307
3x120/16 rm	69	7500	250	200	0.153	0.32	0.27	298	352
3x150/25 rm	73	8600	250	210	0.124	0.31	0.29	332	397
3x185/25 rm	77	9900	250	220	0.0991	0.30	0.32	374	453
3x240/25 rm	84	12800	250	240	0.0754	0.29	0.35	431	529
3x300/25 rm	90	15300	250	260	0.0601	0.29	0.40	492	608
12/20 (24) kV									
3x35/16 rm	60	4450	500	220	0.524	0.39	0.16	154	172
3x50/16 rm	62	5050	500	220	0.387	0.37	0.18	181	205
3x70/16 rm	67	6000	500	240	0.268	0.35	0.20	220	253
3x95/16 rm	70	7100	500	240	0.193	0.33	0.22	263	307
3x120/16 rm	74	8100	250	210	0.153	0.32	0.24	298	352
3x150/25 rm	77	9200	250	220	0.124	0.31	0.26	332	397
3x185/25 rm	83	11350	250	240	0.0991	0.30	0.28	374	453
3x240/25 rm	89	13600	250	260	0.0754	0.29	0.31	431	529
3x300/25 rm	95	16100	200	260	0.0601	0.27	0.34	492	608
18/30 (36) kV									
3x35/16 rm	72	5900	250	210	0.524	0.47	0.13	154	172
3x50/16 rm	75	6500	250	220	0.387	0.45	0.14	181	205
3x70/16 rm	79	7550	250	220	0.268	0.42	0.16	220	253
3x95/16 rm	84	9500	250	240	0.193	0.40	0.17	263	307
3x120/16 rm	88	10600	250	240	0.153	0.39	0.18	298	352
3x150/25 rm	91	11800	250	260	0.124	0.37	0.20	332	397
3x185/25 rm	95	13300	250	260	0.0991	0.36	0.21	374	453
3x240/25 rm	101	15600	250	280	0.0754	0.34	0.23	431	529
3x300/25 rm	107	18250	250	300	0.0601	0.33	0.25	492	608
20.3/35 (42) kV									
3x35/16 rm	77	6500	250	220	0.524	0.47	0.11	154	172
3x50/16 rm	80	7200	250	220	0.387	0.45	0.12	181	205
3x70/16 rm	85	9050	250	240	0.268	0.42	0.14	220	253
3x95/16 rm	89	10250	250	260	0.193	0.40	0.15	263	307
3x120/16 rm	93	11400	250	260	0.153	0.39	0.16	298	352
3x150/25 rm	96	12600	250	260	0.124	0.37	0.17	332	397
3x185/25 rm	100	14200	250	280	0.0991	0.36	0.19	374	453
3x240/25 rm	106	16500	250	300	0.0754	0.34	0.21	431	529
3x300/25 rm	112	19200	250	320	0.0601	0.33	0.23	492	608

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 Copper tape screen
7 PP filler
8 PVC separation sheath
9 Galvanized round steel wire
10 PVC outer sheath



SPECIFICATIONS

Code : N2XSEYRY
Standards : VDE 0273
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. The armour in the structure make the cable necessary where there is mechanical stress risk.

Temperature Range

Max. Operation Temperature

Short Circuit Temperature


Flame Retardant IEC 60332 -1-2


Mechanical Resistance

Min. Bending Radius

RoHS

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								Earth	Air
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3x35/16 rm	53	5000	500	210	0.524	0.37	0.22	154	172
3x50/16 rm	56	5650	500	220	0.387	0.35	0.24	181	205
3x70/16 rm	60	6750	500	220	0.268	0.33	0.28	220	253
3x95/16 rm	64	7850	500	240	0.193	0.32	0.31	263	307
3x120/16 rm	68	9000	500	240	0.153	0.31	0.34	298	352
3x150/25 rm	71	10100	500	260	0.124	0.30	0.36	332	397
3x185/25 rm	76	12450	250	220	0.0991	0.29	0.40	374	453
3x240/25 rm	83	14800	250	240	0.0754	0.28	0.45	431	529
3x300/25 rm	88	17450	250	240	0.0601	0.27	0.51	492	608