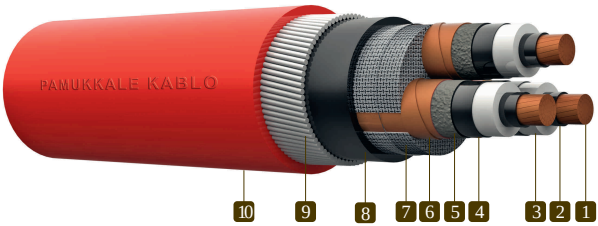
CONSTRUCTION

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

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 kV									
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

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	58	5750	500	220	0.524	0.39	0.18	154	172
3x50/16 rm	61	6400	500	220	0.387	0.37	0.20	181	205
3x70/16 rm	66	7500	500	240	0.268	0.35	0.22	220	253
3x95/16 rm	69	8700	500	240	0.193	0.33	0.25	263	307
3x120/16 rm	74	9800	500	260	0.153	0.32	0.27	298	352
3x150/25 rm	78	11800	250	220	0.124	0.31	0.29	332	397
3x185/25 rm	82	13400	250	240	0.0991	0.30	0.32	374	453
3x240/25 rm	88	15800	250	240	0.0754	0.29	0.35	431	529
3x300/25 rm	94	18500	250	260	0.0601	0.29	0.40	608	608
12/20 (24) kV									
3x35/16 rm	63	6450	500	220	0.524	0.37	0.16	154	172
3x50/16 rm	66	7150	500	240	0.387	0.35	0.18	181	205
3x70/16 rm	71	8200	500	260	0.268	0.33	0.20	220	253
3x95/16 rm	76	10300	250	220	0.193	0.32	0.22	263	307
3x120/16 rm	80	11450	250	220	0.153	0.31	0.24	298	352
3x150/25 rm	83	12700	250	240	0.124	0.30	0.26	332	397
3x185/25 rm	86	14200	250	240	0.0991	0.29	0.28	374	453
3x240/25 rm	93	16700	250	260	0.0754	0.28	0.31	431	529
3x300/25 rm	99	19500	250	280	0.0601	0.27	0.34	608	608
18/30 (36) kV									
3x35/16 rm	77	9100	250	220	0.524	0.47	0.13	154	172
3x50/16 rm	80	9900	250	220	0.387	0.45	0.14	181	205
3x70/16 rm	84	11100	250	240	0.268	0.42	0.16	220	253
3x95/16 rm	88	12500	250	240	0.193	0.40	0.17	263	307
3x120/16rm	92	13700	250	260	0.153	0.39	0.18	298	352
3x150/25rm	95	15050	250	260	0.124	0.37	0.20	332	397
3x185/25rm	99	16700	250	280	0.0991	0.36	0.21	374	453
3x240/25rm	105	19250	250	300	0.0754	0.34	0.23	431	529
3x300/25 rm	111	22100	250	320	0.0601	0.33	0.25	608	608
20.3/35 (42) kV									
3x35/16 rm	82	9900	250	240	0.524	0.47	0.11	154	172
3x50/16 rm	84	10700	250	240	0.387	0.45	0.12	181	205
3x70/16 rm	89	11950	250	260	0.268	0.42	0.14	220	253
3x95/16 rm	93	13300	250	260	0.193	0.40	0.15	263	307
3x120/16 rm	96	14600	250	260	0.153	0.39	0.16	298	352
3x150/25 rm	99	15900	250	280	0.124	0.37	0.17	332	397
3x185/25 rm	104	17700	250	300	0.0991	0.36	0.19	374	453
3x240/25 rm	109	20150	250	300	0.0754	0.34	0.21	431	529
3x300/25 rm	115	23000	250	320	0.0601	0.33	0.23	608	608