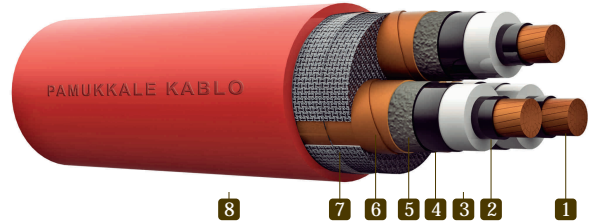


## CONSTRUCTION

- 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	: $U_0/U=6/10$ kV $U_0/U=8,7/15$ kV $U_0/U=12/20$ kV $U_0/U=18/30$ kV $U_0/U=20.3/35$ 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 mm <sup>2</sup>	Overall diameter approx. mm	Net weight approx. kg/km	Delivery length m	Delivery drum type cm	Conductor DC resistance at 20°C / km (max.)	Operating inductance approx mH/km	Operating capacity approx MF/km	Current carrying capacity in (30°C)	
								Earth A	Air A
6/10 kV									
3x35/16 mm	43	2700	500	180	0.524	0.37	0.22	154	172
3x50/16 mm	46	2950	500	180	0.387	0.35	0.24	181	205
3x70/16 mm	49	3900	500	180	0.268	0.33	0.28	220	253
3x95/16 mm	53	4950	500	200	0.193	0.32	0.31	263	307
3x120/16 mm	57	5850	500	220	0.153	0.31	0.34	298	352
3x150/25 mm	61	6900	500	220	0.124	0.30	0.36	332	397
3x185/25 mm	64	7950	500	240	0.0991	0.29	0.40	374	453
3x240/25 mm	69	9400	250	220	0.0754	0.28	0.45	431	529
3x300/25 mm	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 <sup>2</sup>	mm	kg/km	m	cm	/ km (max.)	mH/km	MF/km	A	A
<b>8.7/15 (17.5) kV</b>									
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
3x120/16rm	63	6350	500	220	0.153	0.32	0.27	298	352
3x150/25rm	66	7250	500	220	0.124	0.31	0.29	332	397
3x185/25rm	69	8950	250	200	0.0991	0.30	0.32	374	453
3x240/25rm	74	9500	250	220	0.0754	0.29	0.35	431	529
3x300/25rm	79	1060	250	240	0.0601	0.27	0.40	492	608
<b>12/20 (24) kV</b>									
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
<b>18/30 (36) kV</b>									
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
<b>20.3/35 (42) kV</b>									
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