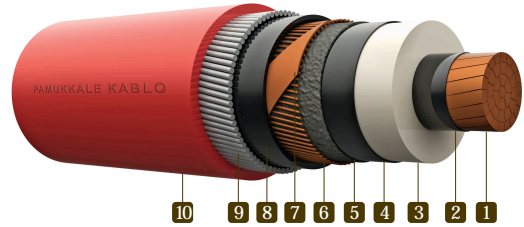


## CONSTRUCTION

- 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 : U<sub>o</sub>/U=6/10 kV  
 U<sub>o</sub>/U=8.7/15 kV  
 U<sub>o</sub>/U=12/20 kV  
 U<sub>o</sub>/U=18/30 kV  
 U<sub>o</sub>/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 drum type for 1000 m. cable m	Conductor DC resistance at 20°C / km (max.)	Operating inductance approx		Operating capacity approx MF/km	Current carrying capacity in (30°C)				
					mH/km	mH/km		Earth		Air		
					⊙ ⊙ ⊙	⊙ ⊙		⊙ ⊙ ⊙	⊙ ⊙ ⊙	⊙ ⊙ ⊙	⊙ ⊙ ⊙	
6/10 (12)kV												
1x35/16 mm	28	1150	150	0.524	0.75	0.42	0.22	172	166	238	198	
1x50/16 mm	29	1330	150	0.387	0.72	0.40	0.24	203	196	286	238	
1x70/16 mm	31	1600	160	0.268	0.69	0.38	0.28	246	239	356	296	
1x95/16 mm	32	1900	160	0.193	0.66	0.36	0.31	293	285	434	361	
1x120/16 mm	35	2300	180	0.153	0.64	0.35	0.33	332	323	500	417	
1x150/25 mm	36	2700	180	0.124	0.62	0.34	0.36	366	361	559	473	
1x185/25 mm	38	3050	200	0.0991	0.60	0.33	0.40	410	406	637	543	
1x240/25 mm	41	3700	200	0.0754	0.58	0.31	0.45	470	469	745	641	
1x300/25 mm	44	4450	220	0.0601	0.56	0.30	0.51	524	526	846	735	
1x400/35 mm	48	5450	240	0.0470	0.54	0.29	0.57	572	590	938	845	
1x500/35 mm	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)			
					mH/km	mH/km		Earth		Air	
mm <sup>2</sup>	mm	kg/km	m	/ km (max.)			MF/km				
<b>8.7/15 (17.5) kV</b>											
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
1x120/16rm	37	2400	180	0.153	0.64	0.36	0.28	332	323	500	417
1x150/25rm	39	2820	200	0.124	0.63	0.35	0.30	366	361	559	473
1x185/25rm	41	3250	200	0.0991	0.61	0.34	0.33	410	406	637	543
1x240/25rm	43	3850	220	0.0754	0.58	0.33	0.37	470	469	745	641
1x300/25rm	46	4650	220	0.0601	0.57	0.31	0.40	524	526	846	735
1x400/35rm	50	5600	240	0.0470	0.55	0.30	0.44	572	590	938	845
1x500/35rm	54	6830	260	0.0366	0.53	0.29	0.49	632	658	1026	942
<b>12/20 (24) kV</b>											
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
1x120/16rm	40	2600	200	0.153	0.66	0.36	0.24	332	323	500	417
1x150/25rm	41	3020	200	0.124	0.64	0.35	0.26	366	361	559	473
1x185/25rm	43	3400	220	0.0991	0.62	0.34	0.28	410	406	637	543
1x240/25rm	46	4050	220	0.0754	0.60	0.33	0.31	470	469	745	641
1x300/25rm	49	4850	240	0.0601	0.58	0.31	0.34	524	526	846	735
1x400/35rm	52	5850	260	0.0470	0.54	0.30	0.37	572	590	938	845
1x500/35rm	56	7050	260	0.0366	0.54	0.29	0.41	632	658	1026	942
<b>18/30 (36) kV</b>											
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
1x120/16rm	46	3160	220	0.153	0.64	0.35	0.18	332	323	500	417
1x150/25rm	48	3600	240	0.124	0.62	0.34	0.20	366	361	559	473
1x185/25rm	49	4020	240	0.0991	0.60	0.33	0.21	410	406	637	543
1x240/25rm	52	4700	260	0.0754	0.58	0.31	0.23	470	469	745	641
1x300/25rm	55	5500	260	0.0601	0.58	0.31	0.25	524	526	846	735
1x400/35rm	59	6570	260	0.0470	0.56	0.30	0.28	572	590	938	845
1x500/35rm	63	7850	280	0.0366	0.43	0.30	0.30	632	658	1026	942