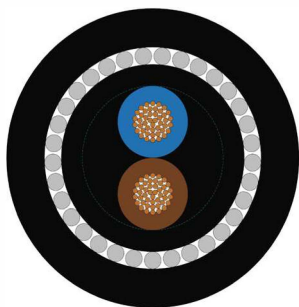


PETROFLEX nxk mm² 0.6/1 kV



Used as energy, utility and lighting cables for outdoor installations in cable ducts, aerial or direct burial and operated by voltage level from 300V up to 1kV. Harmonized types are used as building wires. Halogen Free and Flame Retardant versions ensure non-corrosive and highly visible environment during fire. Armoured and/or fire resistant versions are available upon request.

Constructional Properties

Conductor:	Stranded annealed copper wires (Class 5)
Insulation:	XLPE (Cross-Linked Polyethylene)
Core Identification:	Refer to the table below
Lay-up:	Cores stranded in layers
Inner Covering / Sheath:	Halogen Free Flame Retardant Compound (HFFR/LSZH/LSOH/FRNC)
Inner Cov/Sh.Color:	RAL9005-Black
Armour	Round Galvanized Steel Wire (SWA)
Sheath:	Halogen Free Flame Retardant Compound (HFFR/LSZH/LSOH/FRNC)
Cable Color:	RAL9005-Black
Standard:	Based on IEC 60502-1

Technical Properties (20°C)

Operating Voltage:	0.6/1 kV
Test Voltage:	3.5 kV
Operating Temp. Fixed:	-30°C...+90°C
Installation Temperature:	-10°C...+90°C
Flame Propagation:	IEC 60332-1-2, IEC 60332-3-22 (Cat A)
Smoke Density:	IEC 61034-1/2
Corrosive Gases:	IEC 60754-1/2
Oil Resistance:	IEC 60811, ASTM No 2 oil 70 °C 4 hours
Hydrocarbon Resistance:	NF M 87-202
Min. Bending Radius:	12 x Cable Diameter

Marking

2MKABLO [LOT NO] 2MKAB PETROFLEX nGk mm² 0.6/1 kV IEC60502-1 CE RoHS MM/YY [METER MARK]



Core Identification

Number of Cores	G : with Green/Yellow Conductor Color Code				
2		Brown	Blue		
3	Yellow-Green	Brown	Blue		
4	Yellow-Green	Brown	Black	Grey	
≥5	Yellow-Green	Black numbered			
Number of Cores	X : withot Green/Yellow Conductor Color Code				
2	Brown	Blue			
3	Brown	Black	Grey		
4	Blue	Brown	Black	Grey	
≥5	Black numbered				

3 + 1 Core : Brown/Black/Grey-1x(Yellow-Green)

Configuration (mm ²)	Cable diameter (+/-10%) (mm)	Diameter Under Armour (+/-10%) (mm)	Max. Conductor Resistance (Ohm/km)	Cable Weight (Approx.) (kg/km)	Current Carrying Capacity	
					A (Air)	A (Ground)
2X2.5	13.9	8.7	7.98	366.17	32	40
3G2.5	14.5	9.3	7.98	402.76	32	40
3G4	15.7	10.5	4.95	485.29	42	52
3G6	17.9	11.8	3.3	696.82	53	64
3G10	19.8	13.7	1.91	886.82	74	86
4G2.5	15.3	10.1	7.98	453.68	32	40
4G4	17.6	11.5	4.95	661.7	42	52
4G6	19	12.9	3.3	796.2	53	64
4G10	21.2	15.1	1.91	1034.34	74	86
4G16	24.4	17.6	1.21	1477.08	98	112
4G25	28.7	21.9	78	2061.73	133	145
4G35	31.1	24.1	0.55	2523.11	162	174
3X50+25	36	27.8	0.39	3264.47	197	206
3X70+35	40.4	32	0.27	4194.14	250	254
3X95+50	46.2	37.6	0.21	5378.81	308	310
5X2.5	17.2	11.1	7.98	613.76	32	40
7X2.5	18.2	12.1	7.98	699.75	32	40

