



## Technical data

CPR class: Fca

Test voltage : 4 kV

Rated voltage: 0,6/1 kV

Bending radius (min): multicore 10D

Min. laying temperature: -15 °C

Max. conductor temperature: 90 °C

Max. short-circuit temperature: 250 °C

Environment working temperature: -35 °C up to+35 °C

## Construction

1. **Conductors:** Al, class 1 or class 2 according to EN 60228, annealed

2. **Insulation:** XLPE compound, UV resistant

3. **Bedding:** Extruded elastomer or plastomer compound or plastic tape

4. **Sheath :** PE compound, UV resistant, black or by customer request

**Colour:** Black (Other colours available on request)

## Colours of cores

Insulation Color:

3-core (a): ● Green/Yellow ● Brown ● Blue

3-core (b): ● Black ● Brown ● Grey

4-core (a): ● Green/Yellow ● Brown ● Black ● Grey

4-core (b): ● Blue ● Brown ● Black ● Grey

5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

## Application

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain/ In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.

# AXMK-PE

XLPE insulated Power cable

*XLPE insulated  
Power cable*

Dimensions - number of cores x conductor cross section	Construction of individual conductor (No. of wires x diameter)	External diameter	Insulation thickness	Al weight	Cable weight	Packing *
		Min-max. mm	Nominal mm	Kg/km	Approx. Kg/km	
mm <sup>2</sup>	Nominal n x mm					
1 x 16 RE	1 x 4,38	9,40	0,70	40,66	92,04	
1 x 25 RE	1 x 5,52	10,72	0,90	64,58	130,74	
1 x 35 RM	7 x 2,64	12,10	0,90	90,70	169,97	
1 x 50 RM	19 x 1,85	13,70	1,00	122,80	216,29	
1 x 70 RM	19 x 2,19	15,60	1,10	177,70	290,70	
1 x 95 RM	19 x 2,64	17,20	1,10	245,90	373,19	
1 x 120 RM	19 x 2,92	18,70	1,20	311,10	455,86	
1 x 150 RM	36 x 2,34	20,60	1,40	382,10	553,61	
1 x 185 RM	36 x 2,64	22,70	1,60	480,00	682,53	
1 x 240 RM	36 x 2,98	25,50	1,70	630,00	873,40	
1 x 300 RM	36 x 3,35	27,80	1,80	794,50	1070,06	
1 x 400 RM	53 x 3,07	31,20	2,00	1011,50	1341,08	
4 x 16 RE	1 x 4,38	18,73	0,70	165,09	433,31	
4 x 25 RE	1 x 5,52	22,44	0,90	262,20	641,84	
4 x 35 RM	7 x 2,64	25,77	0,90	368,24	856,89	
4 x 50 RM	19 x 1,85	29,34	1,00	498,57	1120,33	
4 x 70 RM	19 x 2,19	34,52	1,10	721,46	1569,11	
4 x 95 RM	19 x 2,64	38,58	1,10	998,35	2025,02	
4 x 120 RM	19 x 2,92	42,59	1,20	1263,07	2512,03	
4 x 150 RM	36 x 2,34	47,57	1,40	1551,33	3104,86	
4 x 185 RM	36 x 2,64	53,43	1,60	1948,80	3927,11	
4 x 240 RM	36 x 2,98	60,10	1,70	2557,80	5008,44	
4 x 300 RM	36 x 3,35	66,04	1,80	3225,67	6142,59	
5 x 16 RE	1 x 4,38	20,41	0,70	206,36	523,35	
5 x 25 RE	1 x 5,52	24,56	0,90	327,75	779,84	
5 x 35 RM	7 x 2,64	28,49	0,90	460,30	1054,33	
5 x 50 RM	19 x 1,85	32,67	1,00	623,21	1398,13	
5 x 70 RM	19 x 2,19	38,20	1,10	901,83	1934,17	
5 x 95 RM	19 x 2,64	42,92	1,10	1247,94	2523,30	
5 x 120 RM	19 x 2,92	47,37	1,20	1578,83	3116,39	
5 x 150 RM	36 x 2,34	53,30	1,40	1939,16	3909,57	
5 x 185 RM	36 x 2,64	59,37	1,60	2436,00	4866,69	
5 x 240 RM	36 x 2,98	66,79	1,70	3197,25	6210,88	

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Dimensions - number of cores x conductor cross section	Construction of individual conductor (No. of wires x diameter)	External diameter	Insulation thickness	Al weight	Cable weight	Packing *
<b>Sector angle 90°</b>						
mm <sup>2</sup>	Nominal n x mm	Min-max. mm	Nominal mm	Kg/km	Approx. Kg/km	
4 x 25 sm	7 x 2,25	21,89	0,90	272,02	538,46	
4 x 35 sm	7 x 2,64	24,10	0,90	368,24	670,21	
4 x 50 sm	19x 1,85	27,31	1,00	498,57	856,01	
4 x 70 sm	19 x 2,19	32,33	1,10	721,46	1278,53	
4 x 95 sm	19 x 2,64	36,35	1,10	998,35	1645,38	
4 x 120 sm	19 x 2,92	39,56	1,20	1263,07	2007,80	
4 x 150 sm	36 x 2,34	44,18	1,40	1551,33	2503,00	
4 x 185 sm	36 x 2,64	48,60	1,60	1948,80	3072,19	
4 x 240 sm	36 x 2,98	54,63	1,70	2557,80	3948,06	
4 x 300 sm	36 x 3,35	60,05	1,80	3225,67	4838,12	
<b>Sector angle 72°</b>						
5 x 25 sm	7 x 2,25	25,30	0,90	340,03	733,35	
5 x 35 sm	7 x 2,64	27,71	0,90	460,30	901,17	
5 x 50 sm	19x 1,85	32,13	1,00	623,21	1212,73	
5 x 70 sm	19 x 2,19	35,95	1,10	901,83	1592,17	
5 x 95 sm	19 x 2,64	40,77	1,10	1247,94	2066,11	
5 x 120 sm	19 x 2,92	44,79	1,20	1578,83	2564,85	
5 x 150 sm	36 x 2,34	49,61	1,40	1939,16	3130,44	
5 x 185 sm	36 x 2,64	54,83	1,60	2436,00	3896,88	
5 x 240 sm	36 x 2,98	61,26	1,70	3197,25	4922,21	

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		Min-max. mm	Nominal mm	Kg/km	Approx. Kg/km	
mm <sup>2</sup>	Nominal n x mm					
4 x 10 RE	1 x 3,45	16,49	0,70	102,42	317,98	
5 x 10 RE	1 x 3,45	17,90	0,70	128,03	381,18	