

DATASHEET

AMCMK 3 ½ core underground cable

0,6 / 1 kV

SFS 4880, HD 603 S1 3F

Applications Cable may be laid indoors, outdoors, in soil.
For fixed installation.

Construction

Conductor: 16 mm² circular solid aluminium (IEC 228 cl.1)
25 mm² and above, stranded, compacted, sector shaped aluminium (IEC 228 cl. 2)
95...300 mm² annealed compacted aluminium conductor

Insulation: Extruded PVC (DIV 6)

Identification: black, brown, black/white stripe

Inner covering: Plastic tapes

Concentric conductor: Copper wires and copper tape

Outer sheath: Extruded black PVC (DMV 9)

Properties

Max. operating temperature +70 °C
Min. handling temperature -15 °C
Max. shortcircuit temperature (max. 5 s) +160 °C

Minimum bending radius
- installation 12 x D
- final installation only one bending 8 x D (D= overall diameter)

Maximum pulling force when pulling the conductor A x 15 N/mm²
A= total area of conductors

Size mm ²	Phase conductor resistance DC +20 °C ohm / km	Concentric conductor resistance DC +20 °C ohm / km	Insulation thickness (av. / min.) mm	Sheath thickness (av. / min.) mm	Approx. overall diameter mm	Approx. weight kg
3x16Al+10Cu	1,910	1,910	1,0 / 0,80	1,8 / 1,43	20	500
3x25Al+16Cu	1,200	1,150	1,2 / 0,98	1,8 / 1,43	23	670
3x35Al+16Cu	0,868	1,150	1,2 / 0,98	1,8 / 1,43	25	770
3x50Al+16Cu	0,641	1,150	1,4 / 1,16	1,9 / 1,52	28	970
3x70Al+21Cu	0,443	0,868	1,4 / 1,16	2,0 / 1,60	31	1300
3x95Al+29Cu	0,320	0,641	1,6 / 1,34	2,2 / 1,77	36	1700
3x120Al+41Cu	0,253	0,443	1,6 / 1,34	2,3 / 1,86	39	2100
3x150Al+41Cu	0,206	0,443	1,8 / 1,52	2,4 / 1,94	44	2500
3x185Al+57Cu	0,164	0,320	2,0 / 1,70	2,6 / 2,11	48	3150
3x240Al+72Cu	0,125	0,253	2,2 / 1,88	2,8 / 2,28	53	4050
3x300Al+88Cu	0,100	0,206	2,4 / 2,06	3,0 / 2,45	61	5000