

DATASHEET

AMCMK 4 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, blue, 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	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
4x16Al+10 Cu	1,910	1,910	1,0 / 0,80	1,8 / 1,43	22	550
4x25Al+16 Cu	1,200	1,150	1,2 / 0,98	1,8 / 1,43	25	810
4x35Al+16 Cu	0,868	1,150	1,2 / 0,98	1,8 / 1,43	27	950
4x50Al+16 Cu	0,641	1,150	1,4 / 1,16	1,9 / 1,52	32	1200
4x70Al+21 Cu	0,443	0,868	1,4 / 1,16	2,1 / 1,70	34	1600
4x95Al+29 Cu	0,320	0,641	1,6 / 1,34	2,3 / 1,86	40	2150
4x120Al+41 Cu	0,253	0,443	1,6 / 1,34	2,4 / 1,94	44	2700
4x150Al+41 Cu	0,206	0,443	1,8 / 1,52	2,6 / 2,11	48	3150
4x185Al+57 Cu	0,164	0,320	2,0 / 1,70	2,7 / 2,20	53	3950
4x240Al+72 Cu	0,125	0,253	2,2 / 1,88	3,0 / 2,45	59	5000
4x300Al+88 Cu	0,100	0,206	2,4 / 2,06	3,2 / 2,62	66	6250