

**Power cable**

**CONSTRUCTION**

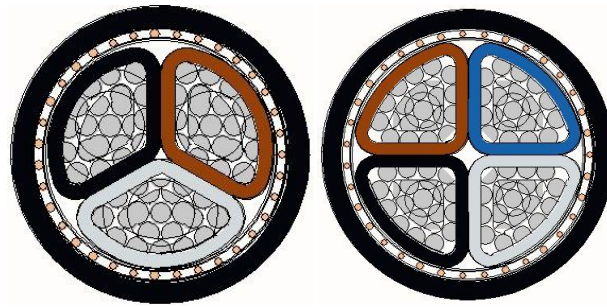
**SFS 4880; HD 603 S1/A3 part 3F and 3L**

Conductor:	16 mm <sup>2</sup> circular solid aluminium, IEC 60228 class 1 25...300 mm <sup>2</sup> sector shaped, stranded aluminium, IEC 60228 class 2 95...300 mm <sup>2</sup> annealed aluminium
Insulation:	PVC-compound
Core identification:	3-core: brown, black, grey 4-core: blue, brown, black, grey
Inner covering:	Plastic tapes
Concentric conductor:	Copper wires and copper tape
Outer sheath:	PVC-compound, colour black

**MECHANICAL DETAILS**

Minimum bending radii:	During handling and installation	12 x D
	In case of only one smooth bending to final position D = overall diameter	8 x D
Maximum pulling force:	Pulling by the conductor (however max. 20 000 N)	A x 15 N/mm <sup>2</sup>
	Pulling by cable stocking (however max. 8 000 N) A = total area of conductors	A x 15 N/mm <sup>2</sup>
Temperature limits:	Maximum conductor temperature	70 °C
	Maximum conductor temperature during short circuit (duration not exceeding 5 sec.)	160 °C
	Minimum temperature during handling and installation	-15 °C

Applications: Cable may be laid indoor, outdoor, for fixed installations on wall and metallic structures. Cable may be buried directly in soil, as long as the relevant national rules of installations are followed.


**Power cable**
**FIRE PERFORMANCE (CPR)**

EN 50575 Eca

**ADDITIONAL INFORMATION**

 EN/IEC 60332-1-2 Self extinguishing and flame retardant  
 EN/IEC 60332-3-23 Self extinguishing and flame retardant even, when the cables are installed in bunches

Reka code	Size [mm <sup>2</sup> ]	Conductor resistance DC 20 °C Max. [Ω / km]	Screen resistance DC 20 °C Max. [Ω / km]	Overall Diameter	
				Approx. [mm]	Approx. [kg / km]
1111210	3x16/10	1,91	1,91	21	450
1111231	3x25/16	1,20	1,15	23	680
1111312	3x35/16	0,868	1,15	26	800
1111313	3x50/16	0,641	1,15	28	980
1111314	3x70/21	0,443	0,868	31	1270
1111315	3x95/29	0,320	0,641	36	1700
1111316	3x120/41	0,253	0,443	40	2100
1111317	3x150/41	0,206	0,443	43	2480
1111318	3x185/57	0,164	0,320	47	3130
1111319	3x240/72	0,125	0,253	53	3990
1111320	3x300/88	0,100	0,206	58	4900
1111410	4x16/10	1,91	1,91	22	550
1111411	4x25/16	1,20	1,15	26	800
1111412	4x35/16	0,868	1,15	27	950
1111413	4x50/16	0,641	1,15	32	1230
1111414	4x70/21	0,443	0,868	35	1600
1111415	4x95/29	0,320	0,641	40	2120
1111416	4x120/41	0,253	0,443	44	2590
1111417	4x150/41	0,206	0,443	49	3120
1111418	4x185/57	0,164	0,320	53	3890
1111419	4x240/72	0,125	0,253	60	5000
1111420	4x300/88	0,100	0,206	65	6200

Current carrying capacity according to SFS 6000-5-52 or SS 424 14 24