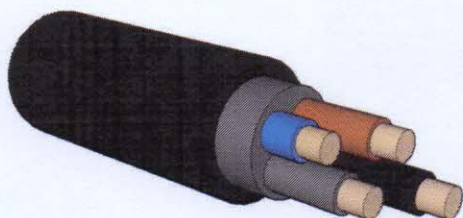


EXVB 0,6/1kV

HD 603S1-5A

XLPE insulated and PVC sheathed power cable



CONSTRUCTION

Conductors:	annealed copper solid class 1(RE), circular or circular compacted stranded conductor class 2 (RM) or sector class 2 (SM) acc. to EN 60228
Insulation:	special XLPE compound type DIX1 acc. to HD 603.1
Inner covering:	filling compound
Sheath:	special PVC compound type DMV2 acc. to HD 603.1

CHARACTERISTIC

Colour of sheath:	black	
Core identification:	HD 308 S2	
	Cables with protective conductor (G)	Cables without protective conductor (X)
1-core:	green-yellow	black
2-core:	-	blue, brown
3-core:	green-yellow, blue, brown	brown, black, grey
4-core:	green-yellow, brown, black, grey	blue, brown, black, grey
5-core:	green-yellow, blue, brown, black, grey	blue, brown, black, grey, black
Maximum conductor operating temperature:	+90°C	
Lowest ambient temperature for fixed installation:	-30°C	
Lowest installation temperature:	-5°C	
Maximum short-circuit conductor temperature:	+250°C	
Minimum bending radius:	15 x D single core cables, 12 x D multicore cables, D – overall diameter	
Max. permissible tensile stress with cable grip for Cu-conductor:	50 N/mm ²	

FIRE PERFORMANCE

▪ Flame retardant:	EN 60332-1-2
▪ CPR – class reaction to fire (acc EN 50575):	Eca

APPLICATIONS

XLPE insulated and PVC sheathed power cables for the supply of electrical energy. Special for installations in the open air, in underground, and water, indoors, in cable ducts.	
Standard length cable packing	1000m on drums. Other forms of packing and delivery are available on request

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HD 603S1-5A

Number and cross-sectional area of conductor	Minimum number of wires in conductor	Nominal thickness of insulation	Nominal thickness of inner covering	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C
n x mm ²	n	mm	mm	mm	mm	kg/km	Ω/km
1x2,5RE	1	0,7	-	1,7	6,5	65	7,41
1x4RE	1	0,7	-	1,7	7,0	83	4,61
1x6RE	1	0,7	-	1,7	7,5	104	3,08
1x10RE	1	0,7	-	1,8	8,5	151	1,83
1x16RM	6	0,7	-	1,8	9,8	218	1,15
1x25RMC	6	0,9	-	1,9	11,7	325	0,727
1x35RMC	6	0,9	-	1,9	12,8	422	0,524
1x50RMC	6	1	-	2,0	14,5	558	0,387
1x70RMC	12	1,1	-	2,0	16	763	0,268
1x95RMC	15	1,1	-	2,1	18,2	1028	0,193
1x120RMC	18	1,2	-	2,1	19,9	1269	0,153
1x150RMC	18	1,4	-	2,2	22	1559	0,124
1x185RMC	30	1,6	-	2,2	23,9	1919	0,0991
1x240RMC	34	1,7	-	2,3	26,8	2469	0,0754
1x300RMC	34	1,8	-	2,4	29	3059	0,0601
2x1,5RE	1	0,7	1,0	2,0	11,1	172	12,1
2x2,5RE	1	0,7	1,0	2,0	11,9	208	7,41
2x4RE	1	0,7	1,0	2,0	12,8	257	4,61
2x6RE	1	0,7	1,0	2,0	13,8	318	3,08
2x10RE	1	0,7	1,0	2,0	15,4	433	1,83
2x16RM	6	0,7	1,0	2,0	18,0	624	1,15
2x25RMC	6	0,9	1,0	2,1	21,6	922	0,727
2x35RMC	6	0,9	1,0	2,2	23,3	1161	0,524
3x1,5RE	1	0,7	1,0	2,0	11,5	191	12,1
3x2,5RE	1	0,7	1,0	2,0	12,4	236	7,41
3x4RE	1	0,7	1,0	2,0	13,4	298	4,61
3x6RE	1	0,7	1,0	2,0	14,4	374	3,08
3x10RE	1	0,7	1,0	2,0	16,1	523	1,83
3x16RM	6	0,7	1,0	2,1	19,2	775	1,15
3x16RM+10RE*	6/1	0,7	1,0	2,1	20,6	914	1,15/1,83
3x25RMC	6	0,9	1,0	2,2	23	1155	0,727
3x35RMC	6	0,9	1,0	2,3	25,5	1506	0,524
3x50RMC	6	1,0	1,0	2,4	28,9	1985	0,387
3x70SM	12	1,1	1,2	2,5	29,9	2402	0,268
3x95SM	15	1,1	1,2	2,6	33	3188	0,193
3x120SM	18	1,2	1,2	2,7	36,1	3945	0,153
3x120SM+70SM	18/12	1,2	1,2	2,9	40	4834	0,153/0,268
3x150SM	18	1,4	1,4	2,9	40,6	4891	0,124
3x185SM	30	1,6	1,4	3,0	44,6	6025	0,0991

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