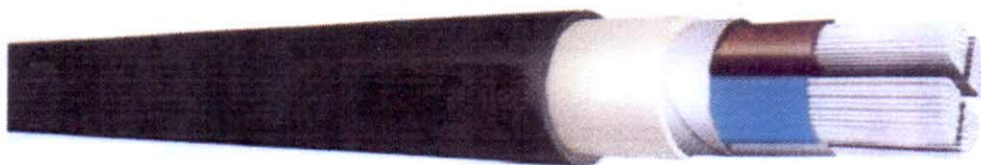


EAXeVB 0,6/1kV

HD 603-5A & NBN C 33-322

Cross-linked polyethylene insulated power cables with a protective sheath of polyvinyl chloride



CONSTRUCTION

Conductors:	aluminium solid sector shaped class 1 (SE) or sector shaped class 2 (SM) acc. to EN 60228
Insulation:	special XLPE compound type DIX1 acc. to HD 603.1
Separation tape:	water blocking
Inner covering:	filling compound
Sheath:	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)
4-core:	green-yellow, brown, black, grey	blue, brown, black, grey
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:	30 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, 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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EAXeVB 0,6/1kV MK-04-02-2019
replace EAXeVB 0,6/1kV MK-08-03-2016



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Number and cross-sectional area of conductor	Minimum thickness of insulation	Nominal thickness of insulation	Nominal thickness of inner covering	Minimum thickness of sheath	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C	Inductance
n x mm ²	mm	mm	mm	mm	mm	mm	kg/km	Ω/km	mH/km
4x95SE	0,89	1,1	1,2	2,19	2,7	36,4	1810	0,32	0,25
4x150SE	1,16	1,4	1,4	2,45	3,0	44,1	2704	0,206	0,25
4x240SE	1,43	1,7	1,6	2,79	3,4	53,5	4195	0,125	0,24

Current ratings*

Operating temperature at conductor 90°C; ambient air temperature 30°C, ground temperature 20°C

Installation		
Number of loaded cores	3	3
	laying in ground	laying in air
Cross-section, mm ²	Current ratings in Ampere (A)	
95	245	230
150	315	300
240	420	425

The values are referred to the following basic conditions:

Laying in ground		Laying in air	
Ground temperature at installation depth:	20°C	Ambient temperature:	30°C
Load factor:	0,7	Load factor:	1,0
Soil-thermal resistivity of moist area:	1,0 K · m/W	Arrangement: free in air, protection against direct solar radiation, no external heat sources, unrestricted dissipation of heat.	
Laying depth:	0,7 m		

Correction factors for various ambient air temperatures

Ambient temperature, °C	10	15	20	25	30	35	40	45	50
Rating factor	1,15	1,12	1,08	1,04	1,00	0,96	0,91	0,87	0,82

Correction factors for various ambient ground temperatures

Ambient temperature, °C	5	10	15	20	25	30	35	40	45
Rating factor	1,10	1,07	1,04	1,00	0,96	0,92	0,89	0,85	0,79