



AHXAMK-W 12/20 kV

Standrad: IEC 60502-1, HD 620-10F

Application:



For medium voltage distribution. Suitable for fixed installation indoors, outdoors, in wet conditions and locations. Suitable for plough cabling.

Cable construction:

Conductor:	Aluminum acc. EN 60228, Class 2 (stranded, round, compacted, water tight)
Screen over conductor:	Semi-conducting XLPE
Insulation:	XLPE
Screen over insulation:	Semi-conducting XLPE
Inner covering:	Semi-conducting water-swelling tape applied with overlap
Screen:	Al-foil laminate as radial water barrier
Cover:	LLDPE
Earth conductor:	Bare copper, class 2 - round
Assembly of cores:	Covered cores stranded around earth conductor

Technical parameters:

Rated voltage:	12/20 kV	Testing voltage:	50 kV
Frequency:	50 Hz	Operating conductor temperature:	90 °C
Exploitation temperature range:	-60 ...+50°C	Short-circuit temperature:	250 °C
Installation temperature:	from -20°C	Fire properties:	not flame-resistant
Cabling:	outside	Bending radius:	12xD

Standard packing and length:

Wooden or metal reels. Packing according to customer requirements available.

Cable size/screen size	Nominal thickness of insulation mm	Nominal thickness of sheath mm	Approximate overall diameter mm	Maximum resistance of conductor Ohm/km		Maximum resistance of earth conductor Ohm/km	Approximate net weight kg
				20°C (DC)	90°C (AC)		
3 * 50 / 35	5,5	2,8	62,00	0,6410	0,8250	0,5240	2400
3 * 50 / 70	5,5	2,8	63,00	0,6410	0,8250	0,2680	2735
3 * 70 / 35	5,5	2,8	66,00	0,4430	0,5710	0,5240	2710
3 * 70 / 70	5,5	2,8	67,00	0,4430	0,5710	0,2680	3020
3 * 95 / 35	5,5	2,9	70,00	0,3200	0,4130	0,5240	3130
3 * 95 / 70	5,5	2,9	71,00	0,3200	0,4130	0,2680	3460
3 * 120 / 35	5,5	2,9	73,00	0,2530	0,3280	0,5240	3440
3 * 120 / 70	5,5	2,9	74,00	0,2530	0,3280	0,2680	3750
3 * 150 / 35	5,5	2,9	75,00	0,2060	0,2680	0,5240	3850
3 * 150 / 70	5,5	2,9	76,00	0,2060	0,2680	0,2680	4160

3 * 185 / 35	5,5	3,0	79,00	0,1640	0,2150	0,5240	4350
3 * 185 / 70	5,5	3,0	80,00	0,1640	0,2150	0,2680	4660
3 * 240 / 35	5,5	3,1	85,00	0,1250	0,1650	0,5240	4950
3 * 240 / 70	5,5	3,1	86,00	0,1250	0,1650	0,2680	5250
3 * 300 / 35	5,5	3,2	92,00	0,1000	0,1330	0,5240	5750
3 * 300 / 70	5,5	3,2	93,00	0,1000	0,1330	0,2680	6050