

DRYREX

Lead-free, Watertight 52-145 kV High Voltage Cables



Cables
Terminations
Joints

REKA
C A B L E S



AHXCHBMK-W and HXCHBMK-W

52 - 145 kV

IEC 60840; CENELEC HD632

Conductor:	Round, stranded and compacted aluminium or copper conductor (IEC 60228 class 2).
Conductor screen:	Semiconducting XLPE.
Insulation:	XLPE, Super Clean material grade.
Insulation screen:	Semiconducting XLPE.
Longitudinal watertightness:	Watertight conductor construction and waterswellable tapes conforming longitudinally watertight cable construction.
Metallic screen:	Helically applied copper wires with a copper equalization tape.
Radial watertightness:	Longitudinally applied aluminium/polyethylene laminated foil bonded to the sheath.
Sheath:	Extruded black weather resistant polyethylene compound.
Applications:	Cable is intended for fixed installations outdoors or underground.
Voltage levels:	26/45 (52) kV 36/60 (72,5) kV 64/110 (123) kV 76/132 (145) kV

DRYREX



Aluminium Conductor

Product examples

Also available in other screen sizes.

64/110 (123) and 76/132 (145) kV

Cable type	Nominal diameter of conductor mm	Overall diameter of cable, approx. mm	Weight kg/km
AHXCHBMK-W			
1x300/35	20,7	70	4500
1x400/35	24,0	73	4900
1x500/35	25,9	78	5400
1x630/35	29,4	80	6000
1x800/95	33,4	82	6900
1x1000/95	37,8	85	7900
1x1200/95	42,5	90	8600

Copper Conductor

Product examples

Also available in other screen sizes.

64/110 (123) and 76/132 (145) kV

Cable type	Nominal diameter of conductor mm	Overall diameter of cable, approx. mm	Weight kg/km
HXCHBMK-W			
1x300/35	21,0	70	5800
1x400/35	24,0	73	6800
1x500/35	26,9	79	8200
1x630/35	29,8	80	9200
1x800/95	34,7	83	11700
1x1000/95	37,8	85	13900
1x1200/95	42,5	90	15500



Triple-extrusion head of Riihimäki CDCC-vulcanization line



Reka's high-voltage laboratory

TERMINATIONS AND JOINTS 52-145 kV

Type-tested together with the cable.
 Stress cone; pre-moulded EPDM-rubber.
 Oil-filled terminations with isobutylene oil.
 Connectors for both aluminium or copper conductors.
 Creepage distance 25 - 50 mm/kV.

OUTDOOR TERMINATION

APECB P	Polymeric outdoor termination 84-145 kV
APED P	Polymeric outdoor termination 72 kV
APECB	Porcelain outdoor termination 84-145 kV
APED	Porcelain outdoor termination 52-84 kV
APSEA	Outdoor dry termination 52-72 kV

GIS/TRF TERMINATION

APEGA	SF6 termination /transformer termination 84-170 kV
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JOINTS

JS/JX	Silicon joint for straight and crossbonded system
SMPGB	EPDM joint for straight and crossbonded system





REKA

C A B L E S



Reka Cables Ltd. Hyvinkää
Niinistökatu 8-12
BOX 12, FI-05801 Hyvinkää
Finland
Tel. +358 207 200 20
Fax +358 207 200 300
www.reka.fi

