



GKN(NAHXC2Y)

Low voltage power cables with cross-linked HEPR insulation and HDPE sheath with concentric conductor

APPLICATION

In earth, ducts, on support brackets, in dry and wet conditions etc., where one does not expect mechanical damages and the cables are not exposed to the mechanical tensile strain. In urban networks, industrial plants, electric power plants and other electricity consumers and for connection of control devices in industry, traffic etc.)

TECHNICAL CHARACTERISTICS

Test voltage: 4 Kv
 Rated voltage: 0,6/1 kV
 Bending radius (min): 12xD
 Min. laying temperature: -5°C
 Max. conductor temperature: 90°C
 Max. short-circuit temperature: 250°C

CONSTRUCTION

Conductors: Al, class 1 or 2
 Insulation: Cross-linked HEPR compound
 Bedding: Extruded elastomere or plastomere compound or plastic tape
 Concentric conductor: Cu wires with counter helix of Cu tape
 Sheath: PE compound

STANDARD

HD 603 S1, IEC 60502-1

CORE IDENTIFICATION

Insulation Color:

2-core: ● black ● red

3-core: ● black ● red ○ white

4-core (a): ● green/yellow ● black ● red ○ white

4-core (b): ● blue ● black ● red ○ white

5-core: ● green/yellow ● blue ● black ● red ○ white

Outer Sheath Colour:

● Black

Other colours available on request

CERTIFICATION



NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	MIN. THICKNESS OF INSULATION	CURRENT CAPACITY IN AIR	CURRENT CAPACITY IN EARTH	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm ²		Ω/km	mm	A	A	mm	kg/km	kg/km
3x25/16	RM	1,200	0,71	102	112	25,6	200,8	812
3x35/25	RM	0,868	0,71	126	135	28,6	290,9	1097
3x50/25	RM	0,641	0,80	149	158	31,6	382,5	1312
3x50/35	RM	0,641	0,80	149	158	31,6	382,5	1397
3x50/25	SE	0,641	0,80	149	158	26,9	383	973
3x70/35	SE	0,443	0,89	191	196	30,6	552,7	1292
3x95/50	SE	0,320	0,89	234	234	33,7	765,3	1677
3x120/70	SE	0,253	0,98	273	268	36,4	971,2	2145
3x150/95	SE	0,206	1,16	311	300	39,2	1183,3	2661
3x185/95	SE	0,164	1,34	360	342	43,3	1486,9	3116
3x240/120	SE	0,125	1,43	427	398	47,5	1971,2	3963
3x240/150	SE	0,125	1,43	427	398	47,9	1971,2	4266

