HK

Copper wire

Application

Copper wire for fixed installations indoors and outdoors. As earthing conductor or earthing electrode. May be buried directly in soil.

Design

Standards	EN/IEC 60228 class 2
Conductor	Circular stranded copper, EN/IEC 60228 class 2

Temperature limits

Technical information	HK 16 7x	HK 16 19x	HK 25 7x	HK 25 19x	HK 35 7x	HK 35 19x	HK 50 7x	HK 50 19x	HK 70 19x	HK 95 19x
Product code	**1811070**	**1811010**	**1811071**	**1811011**	**1811072**	**1811012**	**1811073**	**1811013**	**1811014**	**1811015**
Nominal diameter of complete cable mm	5	5	6	7	8	8	9	9	11	13
Nominal weight of cable kg/km	137	148	225	228	315	317	423	428	614	859
Nominal cross-sectional area of conductor mm²	16	16	25	25	35	35	50	50	70	95
Maximum forces during installation when pulling by										
Max. pulling force by pulling-eye kN	0,8	0,8	1,3	1,3	1,8	1,8	2,5	2,5	3,5	4,8
Minimum bending radii										
Minimum bending radius, handling mm	40	40	48	56	64	64	72	72	88	104
Minimum bending radius, final bending mm	15	15	18	21	24	24	27	27	33	39
Minimum bending radii										
During handling and installation, cable cm	4	4	5	6	6	6	7	7	9	10
In final installation, cable cm	2	2	2	2	2	2	3	3	3	4
DC resistance										
Max. DC resistance of conductor at 20 °C Ω/km	1,15	1,15	0,727	0,727	0,524	0,524	0,387	0,387	0,268	0,193

Technical information	HK 120 37x	HK 150 37x	HK 240 61x
Product code	**1811016**	**1811017**	**1811019**
Nominal diameter of complete cable mm	14	16	21
Nominal weight of cable kg/km	1086	1334	2207
Nominal cross-sectional area of conductor mm²	120	150	240
Maximum forces during installation when pulling by			
Max. pulling force by pulling-eye kN	6,0	7,5	12,0
Minimum bending radii			
Minimum bending radius, handling mm	112	128	168
Minimum bending radius, final bending mm	42	48	63
Minimum bending radii			
During handling and installation, cable cm	11	13	17
In final installation, cable cm	4	5	6
DC resistance			
Max. DC resistance of conductor at 20 °C Ω/km	0,153	0,124	0,0991