

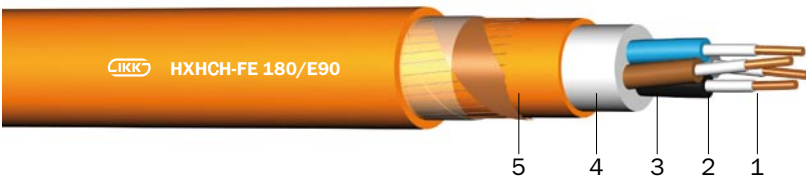


INTERKABEL KYIV

HXHCH FE180/E90, (N)HXHCH FE180/E90

Halogen-free energy cable with insulation integrity FE180 and circuit integrity E90

DESIGN



- 1 | Copper conductor, round solid (RE), resp. round stranded (RM)
- 2 | Primary core insulation (silicone rubber)
- 3 | Secondary core insulation (silicone rubber)
- 4 | Inner covering (halogen-free polymer compound)
- 5 | Sheath (halogen-free polymer compound, orange)

APPLICATION

These cables are intended for the stationary distribution of electrical energy in dry or damp premises and for fixed installations in air or concrete. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire if circuit integrity is required (circuit integrity is only maintained if these cables are installed with specified supporting elements). Not allowed for installations underground or in water. These cables are not UV-protected.

TECHNICAL DATA



Standard:
adapted to DIN VDE 0266



Rated voltage:
0.6/1 kV



Test voltage:
4 kV/50 Hz



Temperature range:
laying temperature: min. -15 °C
operating temperature: -30 °C to +90 °C
conductor temperature: max. +90 °C
short-circuit temperature: max. +250 °C/4 s



Bending radius (min.):
15 x Ø of cable (single core)
12 x Ø of cable (multi-core)



Core identification:
HD 308 S2



Fire properties:
flame retardant:
EN 60332-1-2
halogen-free, non-corrosive combustion gases:
EN 60754-2
reduced flame propagation:
EN 60332-3-24
low smoke emission:
EN 61034-2
insulation integrity FE 180:
IEC 60331-21, DIN VDE 0472-814
circuit integrity E90:
DIN 4102-12



Certificate:
UkrSepro certification in Ukraine
EZÚ Czech Republic, VDE Germany,



INTERKABEL KYIV

HXHCH FE180/E90, (N)HXHCH FE180/E90

Halogen-free energy cable with insulation integrity FE180 and circuit integrity E90

Number and nominal cross-section of cores (mm)	Electrical resistance of the cores, no more than (Om/km)	Current load in air (A)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)
HXCH-FE 180/E30, (N)HXCH-FE 180/E30				
2 x 1,5 RE/1,5	12,1000	29	16,0	385
3 x 1,5 RE/1,5	12,1000	24	16,5	430
4 x 1,5 RE/1,5	12,1000	24	17,4	500
5 x 1,5 RE/1,5	12,1000	24	18,4	560
7 x 1,5 RE/2,5	12,1000	14	19,4	675
10 x 1,5 RE/2,5	12,1000	13	22,7	875
12 x 1,5 RE/2,5	12,1000	12	23,3	975
14 x 1,5 RE/2,5	12,1000	11	24,1	1 080
19 x 1,5 RE/4	12,1000	11	26,9	1 370
24 x 1,5 RE/6	12,1000	10	30,7	1 710
30 x 1,5 RE/6	12,1000	9	32,1	2 005
40 x 1,5 RE/10	12,1000	8	35,5	2 590
2 x 2,5 RE/2,5	7,4100	38	16,8	450
3 x 2,5 RE/2,5	7,4100	32	17,4	515
4 x 2,5 RE/2,5	7,4100	32	18,4	595
5 x 2,5 RE/2,5	7,4100	32	19,4	675
7 x 2,5 RE/2,5	7,4100	20	20,6	815
10 x 2,5 RE/4	7,4100	18	24,9	1 085
12 x 2,5 RE/4	7,4100	17	25,5	1 220
14 x 2,5 RE/6	7,4100	16	26,5	1 350
19 x 2,5 RE/6	7,4100	16	28,9	1 730
24 x 2,5 RE/10	7,4100	13	33,6	2 190
30 x 2,5 RE/10	7,4100	12	35,6	2 625
40 x 2,5 RE/10	7,4100	11	38,8	3 310
2 x 4 RE/4	4,6100	51	18,3	545
3 x 4 RE/4	4,6100	42	19,0	625
4 x 4 RE/4	4,6100	42	20,1	725
5 x 4 RE/4	4,6100	42	21,3	825
7 x 4 RE/4	4,6100	28	22,6	1 015
10 x 4 RE/6	4,6100	25	27,0	1 370
12 x 4 RE/6	4,6100	23	27,7	1 550
14 x 4 RE/6	4,6100	22	28,8	1 735
19 x 4 RE/10	4,6100	22	31,2	2 205
2 x 6 RE/6	3,0800	64	19,3	6 45
3 x 6 RE/6	3,0800	53	20,1	750
4 x 6 RE/6	3,0800	53	21,3	875
5 x 6 RE/6	3,0800	53	22,7	1 020
2 x 10 RE/10	1,8300	86	21,3	835
3 x 10 RE/10	1,8300	74	22,2	990
4 x 10 RE/10	1,8300	74	23,6	1 170
5 x 10 RE/10	1,8300	74	25,2	1 365
2 x 16 RM/16	1,1500	110	23,5	1 120



INTERKABEL KYIV

HXHCH FE180/E90, (N)HXHCH FE180/E90

Halogen-free energy cable with insulation integrity FE180 and circuit integrity E90

Number and nominal cross-section of cores (mm)	Electrical resistance of the cores, no more than (Om/km)	Current load in air (A)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)
HXCH-FE 180/E30, (N)HXCH-FE 180/E30				
3 x 16 RM/16	1,1500	98	24,5	1 325
4 x 16 RM/16	1,1500	98	26,3	1 575
5 x 16 RM/16	1,1500	98	28,4	1 865
3 x 25 RM/16	0,7270	133	29,6	1 730
4 x 25 RM/16	0,7270	133	21,1	2 075
5 x 25 RM/16	0,7270	133	35,1	2 470
3 x 35 RM/16	0,5240	162	31,7	2 040
4 x 35 RM/16	0,5240	162	34,4	2 465
5 x 35 RM/16	0,5240	162	38,0	3 000
3 x 50 RM/25	0,3870	197	35,2	2 680
4 x 50 RM/25	0,3870	197	39,6	3 355
5 x 50 RM/25	0,3870	197	43,1	4 000
3 x 70 RM/35	0,2680	250	41,4	3 676
4 x 70 RM/35	0,2680	250	44,9	4 445
5 x 70 RM/35	0,2680	250	49,7	5 405
3 x 95 RM/50	0,1930	308	46,6	4 825
4 x 95 RM/50	0,1930	308	51,1	5 905
5 x 95 RM/50	0,1930	308	56,1	7 105
3 x 120 RM/70	0,1530	359	50,3	6 004
4 x 120 RM/70	0,1530	359	55,2	7 315
5 x 120 RM/70	0,1530	359	60,6	8 800
3 x 150 RM/70	0,1240	412	55,0	7 155
4 x 150 RM/70	0,1240	412	60,0	8 720
5 x 150 RM/70	0,1240	412	66,8	10 650

1) basic rated current acc. to DIN VDE 0266
Subject to technical changes.