

DESCAPUR H05BQ-F / H07BQ-F

1,00 mm² - 240,00 mm²

Cables polyurethane 450 / 750 V

Application

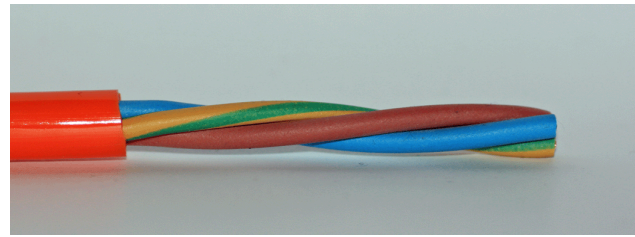
Connecting cables for use in extreme environments, for industrial machinery and mobile building machines, outdoors under high mechanical stress, in production lines and transport systems, etc..

Construction

Flexible bare copper conductors, acc. to IEC 60228, class 5
Insulation EPR vulcanized (halogen-free), coloured acc. to HD 308 S2
Filling compound respectively inner sheath (halogen-free)
Sheath polyurethane, orange (halogen-free)

Special Characteristics

Halogen free, low smoke density, excellent resistance to abrasion, tear and compressive strength, high tensile strength (3-4 times higher than PVC), high flexural fatigue resistance, resistant to cuts and stitches, excellent roll resistance, good oil, gasoline and chemical resistance, good resistance to environmental influences such as ozone, UV radiation, moisture, good behaviour for large temperature fluctuations.



Technical Properties

Rated voltage U ₀ /U	H05	300 / 500 V
	H07	450 / 750 V
Rated voltage U ₀ /U	H05	2000 V
	H07	2500 V
Operating temperature	- 25°C ... + 90°C	
- static installation	- 40°C ... + 90°C	
Minimum bending radius	6 x cable diameter	

Standards / Approvals

CENELEC HD 22.10 S1
up to 1,00 mm² H05BQ-F
from 1,50 mm² H07BQ-F

Part-Number	Typ n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
211444	2 x 1,00	6.80	19.20	61.00
211445	3 G 1,00	7.20	28.80	76.00
211446	4 G 1,00	7.80	38.40	92.00
211447	5 G 1,00	8.80	48.00	116.00
211449	7 G 1,00	11.30	67.20	230.00
211453	2 x 1,50	8.20	28.80	88.00
211454	3 G 1,50	8.70	43.20	110.00
211455	4 G 1,50	9.70	57.20	140.00
211456	5 G 1,50	10.60	72.00	169.00
211458	7 G 1,50	13.00	100.80	291.00
211459	12 G 1,50	19.40	172.80	430.00
211460	16 G 1,50	22.70	230.40	550.00
211462	25 G 1,50	27.00	360.00	840.00
211466	2 x 2,50	11.00	48.00	130.00
211467	3 G 2,50	10.40	72.00	163.00
211468	4 G 2,50	11.60	96.00	208.00
211469	5 G 2,50	12.90	120.00	257.00
211471	7 G 2,50	16.00	168.00	431.00
211482	3 G 4,00	12.10	115.20	229.00
211483	4 G 4,00	13.40	153.60	293.00
211484	5 G 4,00	15.00	192.00	365.00
211486	7 G 4,00	21.80	268.80	620.00
211495	4 G 6,00	15.30	234.00	404.00
211496	5 G 6,00	17.00	288.00	504.00
211498	7 G 6,00	24.00	403.20	790.00

Part-Number	Typ n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
211506	4 G 10,00	21.10	384.00	708.00
211507	5 G 10,00	23.00	480.00	845.00
211513	4 G 16,00	23.70	614.40	1010.00
211514	5 G 16,00	26.00	768.00	1315.00
211519	4 G 25,00	29.50	960.00	1229.00
211520	5 G 25,00	33.00	1200.00	1535.00
211526	4 G 35,00	33.50	1344.00	1665.00
211527	5 G 35,00	39.00	1680.00	2103.00
211530	4 G 50,00	39.40	1920.00	2341.00
211531	5 G 50,00	47.00	2400.00	2955.00
211535	4 G 70,00	49.00	2688.00	3259.00
211536	5 G 70,00	53.00	3360.00	4001.00
211540	4 G 95,00	48.00	3648.00	4300.00
211541	5 G 95,00	60.00	4560.00	5369.00

Single conductor (H)07BQ-F

Part-Number	Typ n x mm ²	L	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
211685	1 x 16,00	L	10.80	153.60	230.00
211690	1 x 25,00	L	12.80	240.00	350.00
211695	1 x 35,00	L	15.30	336.00	484.00
211700	1 x 50,00	L	16.80	480.00	590.00
211705	1 x 70,00	L	19.00	672.00	768.00
211710	1 x 95,00	L	21.80	912.00	1005.00
211715	1 x 120,00	L	24.30	1152.00	1286.00
211720	1 x 150,00	L	26.60	1440.00	1501.00
211725	1 x 185,00	L	29.20	1776.00	1873.00
211730	1 x 240,00	L	33.00	2304.00	2484.00

L = phase conductor

Packaging

cut to desired length