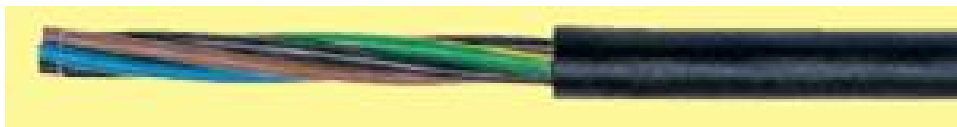


FLEXIBLE INDUSTRIAL CABLE



APPLICATION

This cable is particularly designed for the power or control supply of mobile installations or apparatus. It can be used at a voltage of 0.6/1 kV in fixed protected links as well as to supply to motors in lifting plant. This cable can also comply with the AD8 classification, which means that it can be used permanently in submersion.

CABLE STRUCTURE

- ◆ Conductor : bare or tinned copper strand
- ◆ Conductor class : gen. to DIN VDE 0295 class 5 or IEC 228 class 5
- ◆ Core insulation : rubber compound
- ◆ Core identification : gen. to VDE0293
- ◆ Stranding : stranded in layers
- ◆ Inner sheath : rubber compound
- ◆ Outer sheath : polychloroprene (NEOPRENE)
- ◆ Sheath color : black

TECHNICAL DATA

- ◆ Rated voltage : U_0/U 450/750
- ◆ Testing voltage : 2.5kV
- ◆ Min. bending radius : 4 x d (fixed)
- ◆ Min. bending radius : 7.5 x d (moved)
- ◆ Operation temp. : -40°C to +60°C (fixed)
- ◆ Operation temp. : -30°C to +60°C (moved)
- ◆ Standard : general to DIN VDE 0282 part 4

SPECIAL FEATURES

- ◆ For protected fixed laying in pipes or units and as motor connecting cable permitted up to 1000V
- ◆ Also suitable for laying in industrial water
- ◆ Free from lacquer damaging and silicone (during production)

應用範圍

重型橡膠護套柔性電纜適合使用於中等機械應力，乾燥、有濕氣以及潮濕地方，也可以使用在露天環境和農場中。它可使用於工廠設備上：如鍋爐、加熱板，電動工具：如電鑽、圓鋸等。還可用於家居工具或現場使用便攜式馬達和機器。

這電纜可安裝在灰泥上、臨時建築物和居住營地上。它適用於管道和設備中防護和固定安裝，及馬達的連接電纜，交流工作電壓達 1000V 直流電壓達 750V。

電線結構

- ◆ 導體 : 裸銅或鍍錫，多根細銅絲絞合成導體
- ◆ 導體類別 : 按 DIN VDE 0295 第 5 類或 IEC 228 第 5 類規定
- ◆ 導體絕緣 : 橡膠
- ◆ 線芯編號 : 按 DIN VDE 0293 規定
- ◆ 絞合節距 : 絕緣綫芯以最佳節距絞合成纜
- ◆ 內護套 : 橡膠
- ◆ 外護套 : 橡膠復合物
- ◆ 外護套顏色 : 黑色

技術參數

- ◆ 額定電壓 : U_0/U 450/750V
- ◆ 試驗電壓 : 2.5kV
- ◆ 最小彎曲半徑 : 4 x 直徑 (靜態)
- ◆ 最小彎曲半徑 : 7.5 x 直徑 (移動)
- ◆ 溫度範圍 : -40°C to +60°C (靜態)
- ◆ 溫度範圍 : -30°C to +60°C (移動)
- ◆ 規格 : 按 DIN VDE 0282 part 4

特點

- ◆ 可置放於固定保護管道中並連接馬達，最高可達 1000V
- ◆ 可用於工業廢水
- ◆ 生產中用的材料不含對漆的破壞物質和硅樹脂

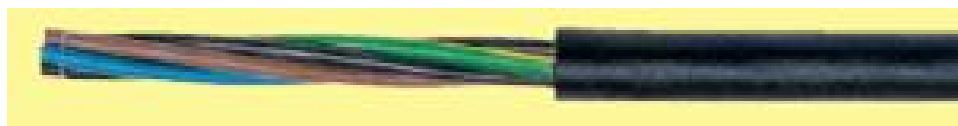
FLEXIBLE INDUSTRIAL CABLE



H07RN-F	Outer diameter (mm)		Permissible current rating ⁽¹⁾ (A)	Copper index (Kg/km)	Weight Approx (Kg/km)
	mini	maxi			
1 x 1.5	5.8	7.2	24	14.4	59
1 x 2.5	6.4	8	33	24	72
1 x 4	7.4	9	45	38	99
1 x 6	8	11	58	58	130
1 x 10	9.8	12.5	80	96	200
1 x 16	11	14.5	107	154	278
1 x 25	12.5	16.5	142	240	396
1 x 35	14	18.5	175	336	520
1 x 50	16.5	21	212	480	719
1 x 70	18.5	23.5	270	672	947
1 x 95	21	26	327	912	1230
1 x 120	23.5	28.5	379	1152	1520
1 x 150	26	31.5	435	1440	1887
1 x 185	27.5	34.5	496	1776	2274
1 x 240	30.5	38	584	2304	2955
1 x 300	33.5	41.5	665	2880	3585
1 x 400	37.5	46.5	779	3840	4600
1 x 500	41.5	51.5	870	4800	5841
2 x 1	8	10.5	19	19	89
2 x 1.5	9	11.5	24	29	128
2 x 2.5	10.5	13.5	33	48	177
2 x 4	12	15	45	77	249
2 x 6	13.5	18.5	58	115	327
2 x 10	18.5	24	80	192	586
2 x 16	21	27.5	107	307	810
2 x 25	25	31.5	142	480	1157

(1) : Ambient temperature : 30°C

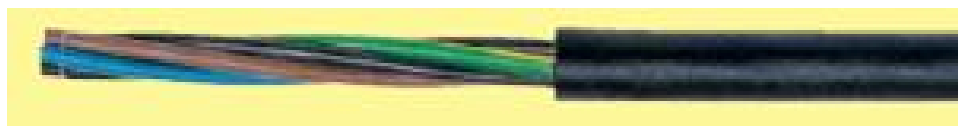
FLEXIBLE INDUSTRIAL CABLE



H07RN-F	Outer diameter (mm)		Permissible current rating ⁽¹⁾ (A)	Copper index (Kg/km)	Weight Approx (Kg/km)
	mini	maxi			
3 G 1.0	8.6	11.5	19	29	111
3 G 1.5	9.6	12.5	24	43	157
3 G 2.5	11.5	14.5	33	72	217
3 G 4	13	16	45	115	298
3 G 6	14.5	20	58	173	407
3 G 10	20	25.5	80	288	716
3 G 16	22.5	29.5	107	461	1008
3 G 25	26.5	34	142	720	1451
3 G 35	29.5	38	175	1008	1901
3 G 50	34.5	44	212	1440	2580
3 G 70	39	49.5	270	2016	3386
3 G 95	44	54	327	2736	4483
3 G 120	47.5	59	379	3456	5182
3 G 150	52.5	66.5	435	4320	6485
3 G 185	58	71.5	496	5328	7862
3 G 240	65.5	81	584	6912	10224
4 G 1.0	9.6	12.5	17	38	146
4 G 1.5	10.5	13.5	22	58	192
4 G 2.5	12.5	15.5	30	96	269
4 G 4	14.5	18	40	154	373
4 G 6	16.5	22	52	230	514
4 G 10	21.5	28	71	384	898
4 G 16	24.5	32	96	614	1253
4 G 25	29.5	37.5	127	960	1846
4 G 35	33	42	157	1344	2393
4 G 50	38	48.5	190	1920	3284

(1) : Ambient temperature : 30°C

FLEXIBLE INDUSTRIAL CABLE



H07RN-F	Outer diameter (mm)		Permissible current rating ⁽¹⁾ (A)	Copper index (Kg/km)	Weight Approx (Kg/km)
	mini	maxi			
4 G 70	43	54.5	242	2688	4331
4 G 95	49	60.5	293	3648	5712
4 G 120	53	65.5	339	4608	6828
4 G 150	58.5	74	390	5760	8319
4 G 185	64.5	79	444	7104	10062
4 G 240	73	90	522	9216	13125
5 G 1.0	10.5	13.5	17	46	192
5 G 1.5	11.5	15	22	72	238
5 G 2.5	13.5	17	30	120	329
5 G 4	16	19.5	40	192	466
5 G 6	18	24.5	52	288	640
5 G 10	24	30.5	71	480	1107
5 G 16	27	35.5	96	768	1564
5 G 25	32.5	41.5	127	1200	2291
5 G 35	36.8	45.8	154	1680	2684
5 G 50	43.1	57.2	187	2400	4250
5 G 70	45.7	60	240	3360	5086
5 G 95	54	67	290	4560	7000
7 G 1.5	14	17	16	101	371
12 G 1.5	18	20	13	173	516
18 G 1.5	21.5	24	12	274	770
19 G 1.5	21.5	24	12	275	788
24 G 1.5	25	28	10	346	968
27 G 1.5	25.5	28.5	10	388	1077
30 G 1.5	26.5	29.5	10	433	1169
36 G 1.5	28.5	32	9	518	1395

(1) : Ambient temperature : 30°C

FLEXIBLE INDUSTRIAL CABLE



H07RN-F	Outer diameter (mm)		Permissible current rating ⁽¹⁾ (A)	Copper index (Kg/km)	Weight Approx (Kg/km)
	mini	maxi			
37 G 1.5	28.5	32	9	532	1395
7 G 2.5	16	19	22	168	499
12 G 2.5	21	24	18	288	719
14 G 2.5	21.5	25	18	336	875
18 G 2.5	25	28	16	432	1068
19 G 2.5	25	28	16	456	1068
24 G 2.5	29.5	32.5	14	576	1400
27 G 2.5	30	33.5	14	648	1521
36 G 2.5	34	37.5	13	864	1900
37 G 2.5	34	37.5	13	888	1940

(1) : Ambient temperature : 30°C