



Control Cable

H07RN-F 450/750V

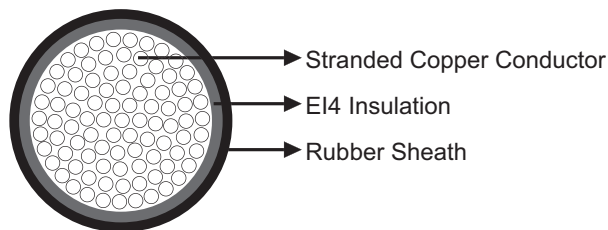
» Application

These cables are designed for use at medium mechanical stresses in wind turbines. They can be used in case of protected and fixed installation in tubes or in equipment as well as rotor connecting cable of motors with a working voltage up to 1000 V alternating voltage or a direct voltage up to 750 V against ground.

» Standards

DIN VDE 0282 part 4
 HD 22.4 S4
 HD 22.1
 BS 7919
 IEC 60245-4

» Construction



Conductor: Stranded bare copper conductor, class 5 acc. to IEC 60228/DIN VDE 0295.

Insulation: Rubber type E14 according to HD 22.1/DIN VDE 0282 part 1.

Sheath: Rubber compound according to HD 22.1/DIN VDE 0282 part 1.

» Technical Data

Rated Voltage U ₀ /U (U _m)	450/750V
Operating Temperatures	-30°C~+60°C
Minimum Bending Radius	flexing: 7.5×OD; fixed: 4×OD
Maximum Permissible Tensile Load	15 N/mm ²
Short-circuit Temperature	250°C
Flame Retardant	IEC 60332-1/DIN VDE 0472 part 804



Caledonian Windmill Cables

Control Cable

Oil Resistant	Yes
Ozone Resistant	Yes
Weather Resistant	Yes

» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm ²	mm	kg/km
1×1.5	6.4	58
1×2.5	7.1	71
1×4	8.1	100
1×6	8.9	130
1×10	10.7	230
1×16	12.1	290
1×25	14.3	420
1×35	16.1	530
1×50	18.6	750
1×70	21.0	960
1×95	23.4	1250
1×120	25.7	1560
1×150	28.3	1900
1×185	31.0	2300
1×240	34.5	2950
1×300	37.7	3600
1×400	42.1	4600
1×500	46.7	6000
2×1	8.9	98
2×1.5	9.8	135
2×2.5	11.7	193
2×4	13.5	280
2×6	15.0	330
2×10	20.2	586
2×16	23.0	810
2×25	27.5	1160
3G1	9.5	130
3G1.5	10.6	165
3G2.5	12.5	235
3G4	14.5	320
3G6	16.1	420
3G10	21.7	810
3G16	24.7	1050
3G25	29.6	1250
3G35	33.2	1900
3G50	38.5	2600
3G70	43.4	3400
3G95	48.7	4450



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Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
3G120	53.7	5180
3G150	59.0	6500
3G185	64.5	7860
3G240	73.5	10224
3G300	81.0	12620
4G1	10.6	150
4G1.5	11.7	200
4G2.5	13.8	290
4G4	16.0	395
4G6	17.9	540
4G10	23.7	950
4G16	27.0	1260
4G25	32.8	1860
4G35	36.8	2380
4G50	42.6	3190
4G70	48.4	4260
4G95	54.7	5600
4G120	59.5	6830
4G150	65.5	8320
4G185	72.0	9800
4G240	81.5	12100
4G300	90.5	15200
5G1.5	12.8	240
5G2.5	15.2	345
5G4	17.8	485
5G6	19.9	650
5G10	26.0	1200
5G16	29.9	1550
5G25	36.2	2250
5G35	41.3	2750
5G50	45.4	3950
5G70	48.9	4740
7G1.5	16.0	375
7G2.5	18.3	520
7G4	21.4	681
12G1.5	20.0	460
12G2.5	23.4	760
18G2.5	27.7	850
19G1.5	23.5	810
19G2.5	28.3	1075
24G1.5	27.5	1015
24G2.5	32.6	1390

G: with green-yellow earth core

×: without green-yellow earth core