



H07BN4-F 450/750V Torsion Resistant Cable

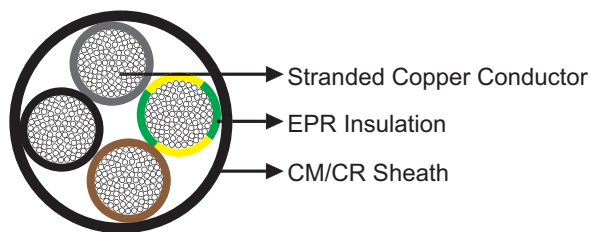
» Application

These cables with increased tolerance to torsion application, improved behaviour against abrasion and extended temperature, UV and ozone resistant are specially designed for wind turbines and to be used for the loop.

» Standards

DIN VDE 0282.12
HD 22.12

» Construction



Conductor: Stranded bare copper, class 5 according to DIN VDE 0295/HD 383/ IEC 60228.

Insulation: Cold and heat resistant EPR. Special cross-linked EI7 rubber for high temperatures can be offered upon request.

Sheath: Ozone, UV-resistant, oil and cold-resistant special compound based on CM (chlorinated polyethylene)/CR (chloroprene rubber). Special cross-linked EM7 rubber can be offered upon request.

» Technical Data

Rated Voltage U0/U (Um)	450/750V
Operating Temperatures	-40°C~+90°C
Minimum Bending Radius	6×OD
Maximum Permissible Tensile Load	15 N/mm ²
Torsion Application	+/-150°/m
Short-circuit Temperature	250°C
Flame Retardant	EN 50265-1/EN 50265-2-1/IEC 60332-1
Oil Resistant	Yes



Ozone Resistant	Yes
UV Resistant	Yes

» Dimensions and Weight

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
1×25	13.5	371
1×35	15.0	482
1×50	17.3	667
1×70	19.3	888
1×95	22.7	1160
1×(G)10	28.6	175
1×(G)16	28.6	245
1×(G)25	28.6	365
1×(G)35	28.6	470
1×(G)50	17.9	662
1×(G)70	28.6	880
1×(G)120	24.7	1430
1×(G)150	27.1	1740
1×(G)185	29.5	2160
1×(G)240	32.8	2730
1×300	36.0	3480
1×400	40.2	4510
10G1.5	19.0	470
12G1.5	19.3	500
12G2.5	22.6	670
18G1.5	22.6	725
18G2.5	26.5	980
2×1.5	28.6	110
2×2.5	28.6	160
2×4	12.9	235
2×6	14.1	275
2×10	19.4	530
2×16	21.9	730
2×25	26.2	1060
24G1.5	26.4	980
24G2.5	31.4	1390
3×25	28.6	1345
3×35	32.2	1760
3×50	37.3	2390
3×70	43.0	3110



Power Cable

Construction No. of cores×mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
3×95	47.2	4170
3×(G)1.5	10.1	130
3×(G)2.5	12.0	195
3×(G)4	13.9	285
3×(G)6	15.6	340
3×(G)10	21.1	650
3×(G)16	23.9	910
3×120	51.7	5060
3×150	57.0	6190
4G1.5	11.2	160
4G2.5	13.6	240
4G4	15.5	350
4G6	17.1	440
4G10	23.5	810
4G16	25.9	1150
4G25	31.0	1700
4G35	35.3	2170
4G50	40.5	3030
4G70	46.4	3990
4G95	52.2	5360
4G120	56.5	6480
5G1.5	12.2	230
5G2.5	14.7	295
5G4	17.1	430
5G6	19.0	540
5G10	25.0	1020
5G16	28.7	1350
5G25	35.0	2080
5G35	38.4	2650
5G50	43.9	3750
5G70	50.5	4950
5G95	57.8	6700
6G1.5	14.7	295
6G2.5	16.9	390
7G1.5	16.5	350
7G2.5	18.5	460
8×1.5	17.0	400