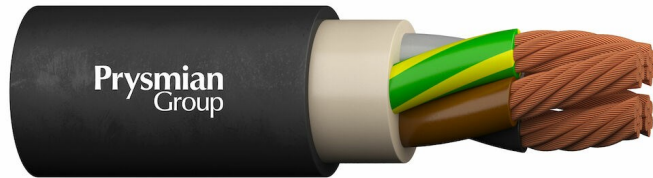


## H07RN-F 450/750V CPR E

Rubber insulated flexibe cables



Suitable for use in dry, humid or moist rooms and outdoor for transportable motors or machines on building sites or in agricultural works, including explosive or flammable atmosphere. Not suitable for applications involving permanent immersion in water. Used for medium and heavy mechanical loads, in dry and wet areas, also outdoor. Could be installed under or on plaster, in rocks, concrete, but not in pre-stressed concrete. Permitted fixed laying on crane and machine elements etc. Permitted voltages up to 1000 V AC at protected laying in tubes or devices, and as connecting rotor cable for engines. Also suitable for cooling installations. Resistant to oil, ozone and UV irradiation.

### STANDARDS



EN 50525-2-21

General

EN 60332-1-2

Fire performance

### CABLE-DESIGN

Conductor category	Class 5 = flexible
Conductor material	Copper
Shape of conductor	Round
Core insulation material	EPR rubber
Material outer sheath	EPR rubber

### CHARACTERISTICS

Bending radius (rule)	4-8 x D
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### CHEMICAL PROPERTIES

Silicon free	Yes
Lead free	Yes
UV resistant	Yes

### ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U0 [V]	450
Nominal voltage U [V]	750
Test voltage [kV]	2.5
Rated voltage U0/U (Um)	450/750 V
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Laying temperature (min) [°C]	-25

## CABLE PROPERTIES

Basic construction	SAP code	Nominal outer diameter [mm]	Cable weight [kg/km]	Short circuit current conductor (1sec) [kA]
1x1,5	20219797	5.8	47	0.26
1x2,5	20223297	6.42	62	0.41
1x6	20220352	8.07	112	0.94
1x10	20224577	9.87	176	1.53
1x16	20221167	11.15	243	2.41
1x25	20223307	12.95	350	3.73
1x35	20223310	15.25	480	5.19
1x50	20272773	17.65	668	7.37
1x70	20223318	19.13	886	10.27
1x95	20223320	21.25	1,130	13.88
1x120	20223322	23.72	1,431	17.5
1x150	20224082	26.22	1,771	21.83
1x185	20224080	30.03	2,145	26.88
1x240	20272642	31.02	2,689	34.8
1x300	20219815	36.53	3,403	43.44
2x1	20219821	8	84	0.18
2x1,5	20223327	8.94	107	0.26
2x2,5	20219833	10.54	154	0.26
2x4	20223331	12.16	212	0.64
2x6	20223336	13.6	278	0.94
3G1	20219840	8.64	101	0.18
3G1,5	20219846	9.62	129	0.26
3G2,5	20219857	11.32	187	0.41
3G4	20219868	13.05	260	0.64
3G6	20223354	14.57	343	0.94
3G10	20223389	19.89	653	1.53
3G16	20219941	22.69	799	2.41
3G25	20223401	26.67	1,153	3.73
3G70	20219944	39.19	2,839	10.27
4G1	20295745	9.52	125	0.18
4G1,5	20219884	10.56	160	0.26
4G2,5	20219889	12.42	233	0.41

## CABLE PROPERTIES

Basic construction	SAP code	Nominal outer diameter [mm]	Cable weight [kg/km]	Short circuit current conductor (1sec) [kA]
4G4	20219897	14.33	326	0.64
4G6	20219901	16.18	438	0.94
4G10	20219947	21.81	734	1.53
4G16	20267583	24.77	1,013	2.41
4G25	20224113	29.55	1,496	3.73
4G35	20219952	34.65	2,029	5.19
4G70	20223433	43.54	3,720	10.27
4G95	20223434	48.99	4,790	13.88
4G120	20219957	54.11	5,978	17.5
5G1	20220823	10.51	153	0.18
5G1,5	20219907	11.63	195	0.26
5G2,5	20219916	13.66	282	0.41
5G2,5	20265963	13.66	282	0.41
5G4	20219926	15.98	403	0.64
5G6	20219932	17.69	535	0.94
5G10	20219960	23.98	903	1.53
5G16	20219964	27.45	1,262	2.41
5G25	20219969	32.68	1,859	3.73
5G35	20223450	38.12	2,509	5.19
5G50	20230996	42.75	3,478	7.37
5G70	20219974	48.48	4,706	10.27
5G95	20219975	54.21	6,025	13.88
7G1,5	20219976	15.03	316	0.26
7G2,5	20223458	17.42	445	0.41
10G1,5	20233381	17.72	419	0.26
12G1,5	20236495	17.78	462	0.26
24G1,5	20236494	25.37	864	0.26