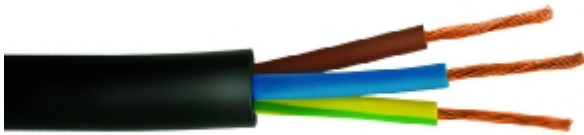


Designation: H07 RN-F

HEAVY POLYCHLOROPRENE SHEATHED FLEXIBLE CABLE



TECHNICAL FEATURES

8

Rated Voltage	Max. operating temperature	Min. Temperature of installation	Max. Temperature of short circuit	Min. internal bending radius	Max mechanical stress
450/750 V	60 °C	-25 °C	200 °C	6xD	5 Kg/mm ²

CONSTRUCTION FEATURES

Conductors :	Flexible cord in red or tinned copper, class 5 (HD 383 - IEC 60228)
Insulation :	Ethylene-Propylene rubber compound type EI4. Electrical insulation of cables for fixed laying and for mobile connections, even in wet environments. Max insulation temperature 90°C.
Sheath :	Elastomeric reticulated polychloroprene compound (PCP) or other equivalent synthetic elastomer type EM2. Protective sheath of electric cables for fixed laying or mobile connections, even for heavy mechanical stress. Max outer sheath temperature 60 °C.
Identif. colours :	Core identification in compliance with CENELEC HD 308 in force.
Standards :	Good resistance to mechanical stresses, oils, chemical and weathering agents and to low temperatures. Max strain in static duty conditions: 1,5 Kg/mm ² CEI 20-19/4, (HD 22.4 - EN 50525-2-21), RoHS 2011/65/UE.

GUIDE TO USE

Suitable in dry, humid or moist rooms, in the open air, in workshops having an explosive atmosphere; for medium mechanical stresses, eg. for industrial and agricultural workshop appliances, large boiling installations, heating plates, portable lamps, electrical tools such as drills, circular saws, domestic electric tools, and also for transportable motors or generators to be used in building sites or in agricultural workings, etc. Also suitable for fixed installation, eg. on rough-cast and temporary shelves in buildings sites and in huts for lodging purposes; for the wiring of constructional components in lifting appliances, machinery, etc.
 Unsuitable for the connection of equipments subject to continuous movements, for which festoon power cables or cable reeling drums are requested. Suitable for temporary plants in building sites in compliance with the norm CEI 64-8 III
 Use up to and including 1000V, a.c. or d.c. is permitted for fixed, protected installation (inside conduit or appliances) and also for the wiring of lifting appliances motors.
 Max temperature on the conductors: +90°C

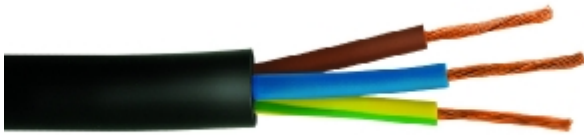
DIMENSIONAL FEATURES AND ELECTRICAL PROPERTY

Number and nominal cross-sectional area of conductors (n° x mm ²)	Mean overall diameter (mm)	Indicative weight of Cable (g / m)	Conductor		Insulation		Sheath		Current ratings (A) with ambient temp. lower than:				Article Code	
			Diameter max. of wires (ohm/Km at 20 °C)	Max. resistance Res. El. (ohm/Km)		Thickness (mm)		Thickness (mm)		30°C	30°C	30°C		20°C
				RedCu	Stn Cu.	Mid.	Min.	Mid.	Min.	F M*	F I*	P L*		E L*
2x1	8 ± 0.2	86	0,210		0,800	0,62	1,30	1,00	15	17	16	NP	IH7N02010	
3x1	8,7 ± 0.2	107	0,210		0,800	0,62	1,40	1,09	15	17	16	NP	IH7N03010	
4x1	9,7 ± 0.2	135	0,210		0,800	0,62	1,50	1,18	13,5	17	16	NP	IH7N04010	
5x1	11 ± 0.2	172	0,210		0,800	0,62	1,60	1,26	13,5	17	16	NP	IH7N05010	
1x1,5	6 ± 0.2	51	0,260		0,800	0,62	1,40	1,09	17,5	22	19,5	NP	IH7N01015	
2x1,5	9 ± 0.2	112	0,260		0,800	0,62	1,50	1,18	19,5	22	19,5	NP	IH7N02015	
3x1,5	9,7 ± 0.2	137	0,260		0,800	0,62	1,60	1,26	19,5	22	19,5	NP	IH7N03015	
4x1,5	10,9 ± 0.2	176	0,260		0,800	0,62	1,70	1,35	17,5	22	19,5	NP	IH7N04015	
5x1,5	12 ± 0.2	215	0,260		0,800	0,62	1,80	1,43	17,5	22	19,5	NP	IH7N05015	
1x2,5	6,7 ± 0.2	68	0,260		0,900	0,71	1,40	1,09	24	30	26	NP	IH7N01025	
2x2,5	10,4 ± 0.2	155	0,260		0,900	0,71	1,70	1,35	26	30	26	NP	IH7N02025	
3x2,5	11,3 ± 0.2	194	0,260		0,900	0,71	1,80	1,43	26	30	26	NP	IH7N03025	
4x2,5	12,7 ± 0.2	249	0,260		0,900	0,71	1,90	1,51	24	30	26	NP	IH7N04025	
5x2,5	14 ± 0.2	306	0,260		0,900	0,71	2,00	1,60	24	30	26	NP	IH7N05025	
1x4	7,5 ± 0.2	90	0,310		1,000	0,80	1,50	1,18	32	40	35	NP	IH7N01040	
2x4	12,2 ± 0.2	220	0,310		1,000	0,80	1,80	1,43	35	40	35	NP	IH7N02040	
3x4	13 ± 0.2	270	0,310		1,000	0,80	1,90	1,51	32	40	35	NP	IH7N03040	
4x4	14,3 ± 0.2	336	0,310		1,000	0,80	2,00	1,60	32	40	35	NP	IH7N04040	
5x4	16 ± 0.2	421	0,310		1,000	0,80	2,20	1,77	32	40	35	NP	IH7N05040	
1x6	8,3 ± 0.2	117	0,310		1,000	0,80	1,60	1,26	41	52	46	NP	IH7N01060	
2x6	13,6 ± 0.2	287	0,310		1,000	0,80	2,00	1,60	46	52	46	NP	IH7N02060	

* [FM = Free movement] [FI = Fixed installation] [PL = Pipe laying] [EL = Earth laying]

Designation: H07 RN-F

HEAVY POLYCHLOROPRENE SHEATHED FLEXIBLE CABLE



TECHNICAL FEATURES

8

Rated Voltage	Max. operating temperature	Min. Temperature of installation	Max. Temperature of short circuit	Min. internal bending radius	Max mechanical stress
450/750 V	60 °C	-25 °C	200 °C	6xD	5 Kg/mm ²

CONSTRUCTION FEATURES

Conductors :	Flexible cord in red or tinned copper, class 5 (HD 383 - IEC 60228)
Insulation :	Ethylene-Propylene rubber compound type EI4. Electrical insulation of cables for fixed laying and for mobile connections, even in wet environments. Max insulation temperature 90°C.
Sheath :	Elastomeric reticulated polychloroprene compound (PCP) or other equivalent synthetic elastomer type EM2. Protective sheath of electric cables for fixed laying or mobile connections, even for heavy mechanical stress. Max outer sheath temperature 60 °C.
Identif. colours :	Core identification in compliance with CENELEC HD 308 in force.
Standards :	Good resistance to mechanical stresses, oils, chemical and weathering agents and to low temperatures. Max strain in static duty conditions: 1,5 Kg/mm ² CEI 20-19/4, (HD 22.4 - EN 50525-2-21), RoHS 2011/65/UE.

GUIDE TO USE

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 Unsuitable for the connection of equipments subject to continuous movements, for which festoon power cables or cable reeling drums are requested. Suitable for temporary plants in building sites in compliance with the norm CEI 64-8 III
 Use up to and including 1000V, a.c. or d.c. is permitted for fixed, protected installation (inside conduit or appliances) and also for the wiring of lifting appliances motors.
 Max temperature on the conductors: +90°C

DIMENSIONAL FEATURES AND ELECTRICAL PROPERTY

Number and nominal cross-sectional area of conductors (n° x mm ²)	Mean overall diameter (mm)	Indicative weight of Cable (g / m)	Conductor		Insulation		Sheath		Current ratings (A) with ambient temp. lower than:				Article Code	
			Diameter max. of wires (ohm/Km at 20 °C)	Max. resistance Res. El. (ohm/Km)		Thickness (mm)		Thickness (mm)		30°C	30°C	30°C		20°C
				RedCu	Stn Cu.	Mid.	Min.	Mid.	Min.	F M*	F I*	P L*		E L*
3x6	14,7 ± 0.2	362	0,310			1,000	0,80	2,10	1,68	46	52	46	NP	IH7N03060
4x6	16,5 ± 0.2	465	0,310			1,000	0,80	2,30	1,85	41	52	46	NP	IH7N04060
5x6	18,4 ± 0.2	580	0,310			1,000	0,80	2,50	2,03	41	52	46	NP	IH7N05060
1x10	10,2 ± 0.2	187	0,410			1,200	0,98	1,80	1,43	57	71	63	NP	IH7N01100
2x10	19,5 ± 0.2	565	0,410			1,200	0,98	3,10	2,53	63	71	63	NP	IH7N02100
3x10	20,3 ± 0.2	671	0,410			1,200	0,98	3,30	2,70	63	71	63	NP	IH7N03100
4x10	22,1 ± 0.2	828	0,410			1,200	0,98	3,40	2,79	57	71	63	NP	IH7N04100
5x10	24,2 ± 0.2	1.008	0,410			1,200	0,98	3,60	2,96	57	71	63	NP	IH7N05100
1x16	11,5 ± 0.2	258	0,410			1,200	0,98	1,90	1,51	76	96	85	NP	IH7N01160
1x25	13,6 ± 0.2	377	0,410			1,400	1,16	2,00	1,60	101	127	112	NP	IH7N01250
1x35	15 ± 0.2	491	0,410			1,400	1,16	2,20	1,77	125	175	138	NP	IH7N01350
1x50	17,6 ± 0.2	696	0,410			1,600	1,34	2,40	1,94	151	212	168	NP	IH7N01500

* [FM = Free movement] [FI = Fixed installation] [PL = Pipe laying] [EL = Earth laying]