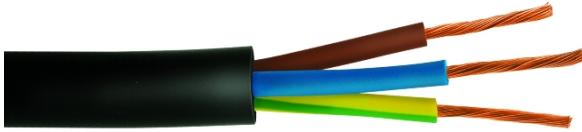


Designation: H07RN8-F

WATERPROOF CABLE SHEATH OF POLYCHLOROPRENE ELASTOMER OR EQUIVALENT



TECHNICAL FEATURES

585

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

CONSTRUCTION FEATURES

Conductors :	Flexible cord in plain or metal-coated annealed copper, class 5 (HD 383).
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 20-19/16, HD 22.16, RoHS 2002/95/CE

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.
 Suitable for powering pumps or similar applications under conditions of permanent installation in water depths of up to 10 m and a maximum water temperature up to 40 °C.

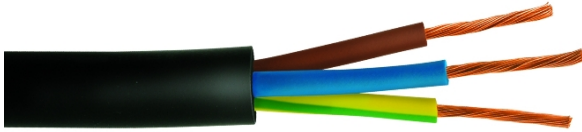
DIMENSIONAL FEATURES AND ELECTRICAL PROPERTY

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	87	0,210		0,800	0,62	1,30	1,00	10	-	-	-	17N802010	
3x1	8,7 ± 0,2	108	0,210		0,800	0,62	1,40	1,09	10	-	-	-	17N803010	
4x1	9,7 ± 0,2	137	0,210		0,800	0,62	1,50	1,18	10	-	-	-	17N804010	
5x1	11 ± 0,2	175	0,210		0,800	0,62	1,60	1,26	10	-	-	-	17N805010	
1x1,5	6 ± 0,2	52	0,260		0,800	0,62	1,40	1,09	16	-	-	-	17N801015	
2x1,5	9 ± 0,2	113	0,260		0,800	0,62	1,50	1,18	18	-	-	-	17N802015	
3x1,5	9,7 ± 0,2	139	0,260		0,800	0,62	1,60	1,26	16	-	-	-	17N803015	
4x1,5	10,9 ± 0,2	178	0,260		0,800	0,62	1,70	1,35	16	-	-	-	17N804015	
5x1,5	12 ± 0,2	218	0,260		0,800	0,62	1,80	1,43	16	-	-	-	17N805015	
1x2,5	6,7 ± 0,2	69	0,260		0,900	0,71	1,40	1,09	25	-	-	-	17N801025	
2x2,5	10,4 ± 0,2	158	0,260		0,900	0,71	1,70	1,35	27	-	-	-	17N802025	
3x2,5	11,3 ± 0,2	199	0,260		0,900	0,71	1,80	1,43	25	-	-	-	17N803025	
4x2,5	12,7 ± 0,2	255	0,260		0,900	0,71	1,90	1,51	20	-	-	-	17N804025	
5x2,5	14 ± 0,2	314	0,260		0,900	0,71	2,00	1,60	20	-	-	-	17N805025	
1x4	7,5 ± 0,2	92	0,310		1,000	0,80	1,50	1,18	30	-	-	-	17N801040	
2x4	12,2 ± 0,2	225	0,310		1,000	0,80	1,80	1,43	34	-	-	-	17N802040	
3x4	13 ± 0,2	277	0,310		1,000	0,80	1,90	1,51	29	-	-	-	17N803040	
4x4	14,3 ± 0,2	346	0,310		1,000	0,80	2,00	1,60	30	-	-	-	17N804040	
5x4	16 ± 0,2	435	0,310		1,000	0,80	2,20	1,77	30	-	-	-	17N805040	
1x6	8,3 ± 0,2	120	0,310		1,000	0,80	1,60	1,26	38	-	-	-	17N801060	
2x6	13,6 ± 0,2	291	0,310		1,000	0,80	2,00	1,60	43	-	-	-	17N802060	
3x6	14,7 ± 0,2	369	0,310		1,000	0,80	2,10	1,68	36	-	-	-	17N803060	
4x6	16,5 ± 0,2	474	0,310		1,000	0,80	2,30	1,85	37	-	-	-	17N804060	

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

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TECHNICAL FEATURES

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DIMENSIONAL FEATURES AND ELECTRICAL PROPERTY

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			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*
5x6	18,4 ± 0,2	593	0,310		1,000	0,80	2,50	2,03	38	-	-	-	17N805060	
1x10	10,2 ± 0,2	190	0,410		1,200	0,98	1,80	1,43	53	-	-	-	17N801100	
2x10	19,5 ± 0,2	570	0,410		1,200	0,98	3,10	2,53	60	-	-	-	17N802100	
3x10	20,3 ± 0,2	680	0,410		1,200	0,98	3,30	2,70	51	-	-	-	17N803100	
4x10	22,1 ± 0,2	840	0,410		1,200	0,98	3,40	2,79	52	-	-	-	17N804100	
5x10	24,2 ± 0,2	1.024	0,410		1,200	0,98	3,60	2,96	54	-	-	-	17N805100	
1x16	11,5 ± 0,2	262	0,410		1,200	0,98	1,90	1,51	71	-	-	-	17N801160	
1x25	13,6 ± 0,2	382	0,410		1,400	1,16	2,00	1,60	94	-	-	-	17N801250	
1x35	15 ± 0,2	496	0,410		1,400	1,16	2,20	1,77	117	-	-	-	17N801350	
1x50	17,6 ± 0,2	704	0,410		1,600	1,34	2,40	1,94	148	-	-	-	17N801500	

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