

H07RN8-F

Rubber cables

Water resistant cables, rubber insulated, under heavy polychloroprene sheath or other equivalent elastomer sheath.



TECHNICAL DATA

Nominal tension	450/750 V
Conditions of employment	Use in industrial and agricultural workshops, building sites, for heavy duty applications and supplying industrial and agricultural machines and appliances where cables are subject to medium mechanical stresses (e.g. heating plates, inspection lamps, electric tools such as drills, circular saws, and domestic electric tools) use in dry, humid or moist rooms; fixed installations e.g. on rough-cast in temporary buildings and huts for accommodation purposes; use as connection to machine tools; applications in fresh water, up to 10 m depth and at a maximum water temperature of 40 °C, such as the connection of submersible pumps or similar applications.
Type of electrical conductor	Flexible red copper
Type of insulation	E14 (EN 50363-1)
Type of outer sheath	EM2 (EN 50363-2-1)
Operating temperature	-25° C +60° C
Short circuit temperature	+200° C on the conductor (5 sec. max)
Test voltage	2500 V
Cable marking	ELETTRO BRESCIA IEMMEQU <HAR> H07RN8-F
Minimum radius of curvature	If the outer diameter of the cable is between 8 and 12 mm: 4 times the max. outer diameter in case of non-constrained motion, and 3 times in case of fixed installation. If the outer diameter is greater than 12 mm: 5 times the max. outer diameter in case of non- constrained motion and 4 times in case of fixed installation.
Note	For single core cables with section above 35 mm ² and multicore cables with section above 10 mm ² , the production is possible through a commercial partner with minimum batch sizes and delivery dates to be arranged.

REFERENCES STANDARDS

Main rule	EN 50525-2-21
Conductor	EN 60228; IEC 60228
Self-extinguishing	EN 60332-1-2; IEC 60332-1-2

Oil resistance	EN 60811-404; IEC 60811-404
Water resistance	EN 50525

DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Diametro isolamento ± 0,1	Minimum average external diameter	Medium outer diameter ± 0,2	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)	(kg/km)
1x1,50	0,26	NA	0,80	NA	1,40	6,0	13,0000	NA	9.6
1x2,50	0,26	NA	0,90	NA	1,40	6,6	7,0000	NA	19.2
1x4,00	0,31	NA	1,00	NA	1,50	7,5	4,0000	NA	38.4
1x6,00	0,31	NA	1,00	NA	1,60	8,3	3,0000	NA	57.6
1x10,00	0,41	NA	1,20	NA	1,80	10,2	1,0000	NA	96
1x16,00	0,41	5,20	1,20	NA	1,90	11,6	1,0000	NA	153.6
1x25,00	0,41	6,50	1,40	NA	2,00	13,5	0,0000	NA	240
1x35,00	0,41	7,70	1,40	NA	2,20	15,1	0,0000	NA	336
1x50,00	0,41	9,30	1,60	NA	2,40	17,5	0,0000	NA	480
1x70,00	0,51	10,80	1,60	NA	2,60	19,4	0,0000	NA	672
1x95,00	0,51	13,60	1,80	NA	2,80	23,0	0,0000	NA	912
1x120,00	0,51	14,80	1,80	NA	3,00	24,6	0,0000	NA	1152
1x150,00	0,51	17,40	2,00	NA	3,20	28,0	0,0000	NA	1440
2x1,00	0,21	NA	0,80	NA	1,30	8,4	19,0000	8,30	19.2
2x1,50	0,26	NA	0,80	NA	1,50	9,4	13,0000	9,20	19.2
2x2,50	0,26	NA	0,90	NA	1,70	11,0	7,0000	10,80	38.4
2x4,00	0,31	NA	1,00	NA	1,80	12,6	4,0000	12,60	76.8
2x6,00	0,31	NA	1,00	NA	2,00	14,2	3,0000	14,00	115.2
2x10,00	0,41	NA	1,20	NA	3,10	19,2	1,0000	NA	192
2x16,00	0,41	5,20	1,20	NA	3,30	22,0	1,0000	NA	307.2
2x25,00	0,41	6,50	1,40	NA	3,60	26,0	0,0000	NA	480
3G1,00	0,21	NA	0,80	NA	1,40	9,0	19,0000	8,90	28.8
3G1,50	0,26	NA	0,80	NA	1,60	10,1	13,0000	9,90	28.8
3G2,50	0,26	NA	0,90	NA	1,80	11,8	7,0000	11,70	57.6
3G4,00	0,31	NA	1,00	NA	1,90	13,5	4,0000	13,50	115.2
3G6,00	0,31	NA	1,00	NA	2,10	15,2	3,0000	15,00	172.8
3G10,00	0,41	NA	1,20	NA	3,30	20,6	1,0000	NA	288
3G16,00	0,41	5,20	1,20	NA	3,50	23,5	1,0000	NA	460.8
3G25,00	0,41	6,50	1,40	NA	3,80	27,8	0,0000	NA	720
3G35,00	0,41	7,70	1,40	NA	4,10	31,0	0,0000	NA	1008
3G50,00	0,41	9,30	1,60	NA	4,50	36,1	0,0000	NA	1440
3G70,00	0,51	10,80	1,60	NA	4,80	39,9	0,0000	NA	2016
3G95,00	0,51	13,60	1,80	NA	5,30	47,8	0,0000	NA	2736
4G1,00	0,21	NA	0,80	NA	1,50	9,9	19,0000	9,90	38.4
4G1,50	0,26	NA	0,80	NA	1,70	11,1	13,0000	10,90	38.4
4G2,50	0,26	NA	0,90	NA	1,90	12,9	7,0000	12,50	76.8
4G4,00	0,31	NA	1,00	NA	2,00	14,8	4,0000	14,90	153.6
4G6,00	0,31	NA	1,00	NA	2,30	16,9	3,0000	16,70	230.4
4G10,00	0,41	NA	1,20	NA	3,40	22,4	1,0000	NA	384
4G16,00	0,41	5,20	1,20	NA	3,60	25,7	1,0000	NA	614.4
4G25,00	0,41	6,50	1,40	NA	4,10	30,8	0,0000	NA	960
4G35,00	0,41	7,70	1,40	NA	4,40	34,3	0,0000	NA	1344
4G50,00	0,41	9,30	1,60	NA	4,80	39,9	0,0000	NA	1920
4G70,00	0,51	10,80	1,60	NA	5,20	44,3	0,0000	NA	2688
5G1,00	0,21	NA	0,80	NA	1,60	11,0	19,0000	10,90	48
5G1,50	0,26	NA	0,80	NA	1,80	12,2	13,0000	12,00	48
5G2,50	0,26	NA	0,90	NA	2,00	14,2	7,0000	14,20	96
5G4,00	0,31	NA	1,00	NA	2,20	16,5	4,0000	16,50	192
5G6,00	0,31	NA	1,00	NA	2,50	18,7	3,0000	NA	288
5G10,00	0,41	NA	1,20	NA	3,60	24,7	1,0000	NA	480
5G16,00	0,41	5,20	1,20	NA	3,90	28,5	1,0000	NA	768

5G25,00	0,41	6,50	1,40	NA	4,40	34,1	0,0000	NA	1200
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CORES IDENTIFICATION

Cores number	Insulation colour sequence
NA	NA
48	Blue-Brown
8	Yellow/Green-Blue-Brown
59	Yellow/Green-Blue-Brown-Black / Yellow/Green-Brown-Black-Grey
78	Yellow/Green-Blue-Brown-Black-Grey

Riferirsi alla serie standard CEI EN 50565 come guida all'uso dei cavi con tensione nominale non superiore a 450/750 V (U0/U) e alla norma CEI 20-92 come guida per la movimentazione ed il deposito delle bobine in legno per cavi elettrici.

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