

H05RN-F

Rubber cables

Multicore, flexible power cables for energy, rubber insulated, under mean polychloroprene sheath or other equivalent elastomer sheath.



TECHNICAL DATA

Nominal tension	300/500 V
Conditions of employment	Use in domestic premises, kitchens and offices, for ordinary duty applications and supplying appliances where cables are subject to low mechanical stresses (e.g. vacuum cleaners, cooking appliances, soldering irons, toasters, domestic portable tools, hand held inspection lamps).
Type of electrical conductor	Flexible red copper
Type of insulation	E14 (EN 50363-1)
Type of outer sheath	EM2 (EN 50363-2-1)
Color of the outer sheath	Black
Operating temperature	-25° C +60° C
Short circuit temperature	+200° C on the conductor (5 sec. max)
Test voltage	2000 V
Cable marking	ELETTRO BRESCIA IEMMEQU <HAR> H05RN-F
Minimum radius of curvature	4 times the max. outer diameter for mobile service, 3 times in case of fixed laying.

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

DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Insulation diameter \pm 0,1	Minimum average external diameter	Medium min outer diameter	Medium max outer diameter	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(?/km)	(kg/km)	(kg/km)
2x0,75	0,21	1,05	0,60	N/A	0,80	5,7	7,4	26,0000	58,00	14,4000
2x1,00	0,21	1,21	0,60	N/A	0,90	6,1	8,0	19,5000	69,00	19,2000
3G0,75	0,21	1,05	0,60	N/A	0,90	6,2	8,1	26,0000	72,00	21,6000
3G1,00	0,21	1,21	0,60	N/A	0,90	6,5	8,5	19,5000	83,00	28,8000
4G0,75	0,21	1,05	0,60	N/A	0,90	6,8	8,8	26,0000	N/A	28,8000
4G1,00	0,21	1,21	0,60	N/A	0,90	7,1	9,3	19,5000	N/A	38,4000

CORES IDENTIFICATION

Cores number	Insulation colour sequence
2	Blue-Brown
3	Yellow/Green-Blue-Brown
4	Yellow/Green-Blue-Brown-Black / Yellow/Green-Brown-Black-Grey

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

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