

H05RR-F

Rubber cables

material: RUBBER tipology: MULTICORE



Applications: Appliances Cables

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) use outdoors for temporary periods of short duration.

Type of electrical conductor: Flexible red copper

Main rule: EN 50525-2-21

Conductor: EN 60228; IEC 60228

Ozone resistance: EN 50396 8.1.3

Description

Flexible multicore cable with rubber insulation and sheath.

Technical Specifications

Review number	n. 5 - 22/4/2015
Nominal tension	300/500 V
Type of insulation	EI4
Type of outer sheath	EM3
Color of the outer sheath	Black
Operating temperature	-25° C +60° C
Short circuit temperature	200° C on the conductor (max 5 sec.) °C
Test voltage	2000 V
Cable marking	ELETTO BRESCIA IEMMEQU <HAR> H05RR-F
Minimum radius of curvature	For cables up to 12 mm 4 times the external diameter in mobile laying and 3 times in case of fixed laying. For cables over 12 mm 5 times the external diameter in mobile laying and 4 times in case of fixed laying.
Insulation tolerance	± 0,1
Sheath tolerance	± 0,2

Insulation identification

number of cores	Insulation identification sequence
3.00	Yellow/Green-Blue-Brown
2.00	Blue-Brown
4.00	Yellow/Green-Blue-Brown-Black / Yellow/Green-Brown-Black-Grey
5.00	Yellow/Green-Blue-Brown-Black- Grey

Documents::

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[Certificate](#)

Sections

Nominal section	Max wire diameter	Conductor diameter	Insulation thickness	Average sheath thickness	Minimum external diameter	Maximum external diameter	Copper electric resistance 20°C	Indicative weight	CU Factor
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(ohm/km)	(kg/km)	(kg/km)
2 ²⁾									
2x0,75	0,21	1,052	0,60	0,80	5,7	7,4	26,00	58	14,4
2x1,00	0,21	1,215	0,60	0,90	6,1	8,0	19,50	69	19,2
2x1,50	0,26	1,435	0,80	1,00	7,6	9,8	13,30	100	28,8
2x2,50	0,26	1,879	0,90	1,10	9,0	11,6	7,98	145	48
3G0,75	0,21	1,052	0,60	0,90	6,2	8,1	26,00	72	21,6
3G1,00	0,21	1,215	0,60	0,90	6,5	8,5	19,50	83	28,8
3G1,50	0,26	1,435	0,80	1,00	8,0	10,4	13,30	125	43,2
3G2,50	0,26	1,879	0,90	1,10	9,6	12,4	7,98	175	72
3G4,00	0,31	2,445	1,00	1,20	11,3	14,5	4,95	217	115,2
3G6,00	0,31	2,955	1,00	1,40	12,8	16,3	3,30	283	172,8
4G0,75	0,21	1,052	0,60	0,90	6,8	8,8	26,00	90	28,8
4G1,00	0,21	1,215	0,60	0,90	7,1	9,3	19,50	100	38,4
4G1,50	0,26	1,435	0,80	1,10	9,0	11,6	13,30	150	57,6
4G2,50	0,26	1,879	0,90	1,20	10,7	13,8	7,98	220	96
4G4,00	0,31	2,445	1,00	1,30	12,7	16,2	4,95	271	153,6
4G6,00	0,31	2,955	1,00	1,50	14,2	18,1	3,30	375	230,4
5G0,75	0,21	1,052	0,60	1,00	7,6	9,9	26,00	105	36
5G1,00	0,21	1,215	0,60	1,00	8,0	10,3	19,50	120	48
5G1,50	0,26	1,435	0,80	1,10	9,8	12,7	13,30	180	72
5G2,50	0,26	1,879	0,90	1,30	11,9	15,3	7,98	260	120

Note:

The manufacturer reserves the right to modify all or part of the data

shown in this catalog

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

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