



# H05RR-F

Low voltage 300/500 V flexible Cu cables insulated and sheathed with rubber

## APPLICATION

Multicore cables with rubber insulation and sheathing, intended for mobile and portable receivers. The cables are manufactured in accordance with a harmonized standard (H), intended to support rated voltage of 300/500V (05), with EPR rubber insulation (R) and EPR rubber (NR), with flexible conductors (F).

Recommended application: for common household applications, i.e. to be used in rooms, kitchens, offices and to power devices, where cables are exposed to small mechanical stress (e.g. vacuum cleaners, kitchen appliances, toasters).

## TECHNICAL CHARACTERISTICS

Test voltage: 2 kV

Rated voltage: 300/500 V

Min. laying temperature: -25°C

Max. conductor temperature: 60°C

Max. short-circuit temperature: 200°C

## CONSTRUCTION

Conductors: Cu, class 5 according to EN 60228

Insulation: Rubber compound, type EI 4 according to EN 50363-1

Sheath: Rubber compound, type EM 3 according to EN 50363-2-1

## STANDARD

EN 50525-2-21

## CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

2-core: ● Brown ● Blue

3-core (a): ● Green/Yellow ● Brown ● Blue

3-core (b): ● Black ● Brown ● Grey

4-core (a): ● Green/Yellow ● Brown ● Black ● Grey

4-core (b): ● Blue ● Brown ● Black ● Grey

5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

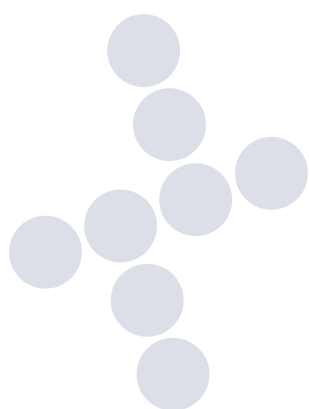
● Black

*Other colours available on request*

## CERTIFICATION



NOMINAL CROSS-SECTION	MAX. RESISTANCE AT 20°C	MAX. DIAM. OF WIRES IN STRAND	RATED THICKNESS OF INSULATION	RATED THICKNESS OF COATING	OUTER DIAM. (APPROX)	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>	Ω/km	mm	mm		mm	kg/km
2x0,75	26,0	0,21	0,6	0,8	6,2	52
2x1	19,5	0,21	0,6	0,9	6,8	61
2x1,5	13,3	0,24	0,8	1,0	8,2	94
2x2,5	7,98	0,24	0,9	1,1	9,8	137
2x4	4,95	0,28	1,0	1,2	11,8	165
3x0,75	26,0	0,21	0,6	0,9	6,8	64
3x1	19,5	0,21	0,6	0,9	7,2	73
3x1,5	13,3	0,24	0,8	1,0	8,7	112
3x2,5	7,98	0,24	0,9	1,1	10,4	166
3x4	4,95	0,28	1,0	1,2	12,5	234
3x6	3,30	0,28	1,0	1,4	14,4	319
4x0,75	26,0	0,21	0,6	0,9	7,4	77
4x1	19,5	0,21	0,6	0,9	7,8	89
4x1,5	13,3	0,24	0,8	1,1	9,7	140
4x2,5	7,98	0,24	0,9	1,2	11,6	207
4x4	4,95	0,28	1,0	1,3	13,9	293
4x6	3,30	0,28	1,0	1,5	16,0	400
5x0,75	26,0	0,21	0,6	1,0	8,2	98
5x1	19,5	0,21	0,6	1,0	8,8	113
5x1,5	13,3	0,24	0,8	1,1	10,6	172
5x2,5	7,98	0,24	0,9	1,3	12,9	260
5x4	4,95	0,28	1,0	1,4	15,5	374



ttcables