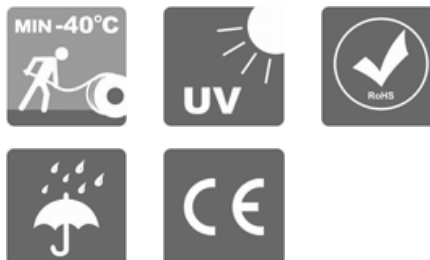


# HO5RR-F 300/500 V

EN 50525-2-21



Flexible rubber insulated and sheathed cables



CONSTRUCTION	
<b>Conductors</b>	Annealed flexible stranded tin coated or bare copper class 5 to IEC 60228, HD 383
<b>Separator</b>	A suitable tape separator between the conductor and insulation
<b>Insulation</b>	Ethylene-propylene rubber (EPR) type EI4
<b>Circuit identification</b>	Colour coding of power conductors comply to HD 308 , DIN VDE 0293- 308
Twin	Blue and brown
3-core	Green-yellow, blue, brown
4-core	Green-yellow, brown, black, grey
5-core	Green-yellow, blue, brown black, grey
<b>Outer jacket</b>	A synthetic thermosetting compound type EM3
<b>Colour of outer jacket</b>	Black or colours can be provided

FEATURES	
<ul style="list-style-type: none"><li>▪ Excellent flexibility</li><li>▪ Water resistant</li><li>▪ Temperature range <math>-30^{\circ}\text{C}</math> to <math>+60^{\circ}\text{C}</math></li><li>▪ UV, sunlight, ozone resistant</li><li>▪ Ink jet printed for easy identification</li></ul>	

APPLICATIONS	
<ul style="list-style-type: none"><li>▪ For general use in domestic premises, kitchens, offices and for supplying appliances where the cables are subjected to low mechanical stresses (eg. vacuum cleaners, cooking appliances, soldering irons, toasters)</li><li>▪ Other industrial applications</li></ul>	

<b>Standard length cable packing</b>	1000m on drums. Other forms of packing and delivery are available on request
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Number and cross-sectional area of conductor	Maximum diameter of wires in conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight	Maximum resistance of conductor at 20°C
n x mm <sup>2</sup>	mm	mm	mm	mm	kg/km	Ω/km
2 x 0,75	0,21	0,6	0,8	6,1	54	26,7
2 x 1	0,21	0,6	0,9	6,6	64	20,0
2 x 1,5	0,26	0,8	1,0	8,2	98	13,7
2 x 2,5	0,26	0,9	1,1	10,3	143	8,21
3 x 0,75	0,21	0,6	0,9	6,7	67	26,7
3 x 1	0,21	0,6	0,9	6,9	77	20,0
3 x 1,5	0,26	0,8	1,0	8,7	117	13,7
3 x 2,5	0,26	0,9	1,1	10,3	172	8,21
3 x 4	0,31	1,0	1,2	12,0	242	5,09
3 x 6	0,31	1,0	1,4	13,6	330	3,39
4 x 0,75	0,21	0,6	0,9	7,3	80	26,7
4 x 1	0,21	0,6	0,9	7,6	92	20,0
4 x 1,5	0,26	0,8	1,1	9,7	146	13,7
4 x 2,5	0,26	0,9	1,2	11,5	215	8,21
4 x 4	0,31	1,0	1,3	13,3	303	5,09
4 x 6	0,31	1,0	1,5	15,1	412	3,39
5 x 0,75	0,21	0,6	1,0	8,1	102	26,7
5 x 1	0,21	0,6	1,0	8,5	117	20,0
5 x 1,5	0,26	0,8	1,1	10,6	178	13,7
5 x 2,5	0,26	0,9	1,3	12,8	269	8,21

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Current ratings at ambient air temperature: 30°C

Conductor operating temperature: 60°C

Conductor cross-section (mm <sup>2</sup> )	Current ratings in Ampere (A)	
	Single phase	Three phase
0,75	6	6
1	10	10
1,5	16	16
2,5	25	20
4	32	25
6	40	-

These values apply to the majority of cases. Further information should be sought in unusual cases eg.:

- when high ambient temperatures are involved, ie. above 30°C
- where long lengths are used
- where ventilation is restricted
- where the cords are used for other purposes, eg. internal wiring of apparatus

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