



HALLEY CABLES

FY - H05V-U (0.3/0.5 kV) H07V-U (-R) (0.45/0.75 kV)

Unsheathed single-core cables



www.halleycables.com

Construction:

Conductor material : copper, rigid annealed monowire (ru) - H05V-U, H07V-U - or rigid multiwire (rm) - H07V-R.
Insulation : PVC type TI1.

Technical data and tests:

Nominal voltage U_0/U : 300/500 V; 50 Hz;
450/750 V; 50 Hz.
Max. temperature at conductor : +70° C.
Max. shortcircuit temperature : +160° C for 5 seconds.
Min. bending radius : 6 x cable diameter.
Color coding : H05V - Monochrome cables: black, blue, brown, gray,
orange, pink, red, turquoise, violet, white, green
and yellow.
All two-colors combinations are accepted.
Yellow-green cables : min 30% green, max 70%
yellow.
H07V - Monochrome cables: black, blue, brown, gray,
orange, pink, red, turquoise, violet, white
Yellow-green cables : min 30% green, max 70%
yellow.
Other two-colors combinations are not accepted.

Standards:

HD 21.3 S3
HD 21.3+A1
IEC 227/3
EN 60228

Applications:

For laying in pipes on top of or under plaster and in closed installation ducts and for internal wiring of machinery, switchgear and distributor systems. The cable is not suitable for direct laying under plaster, however, only for signal circuit and control circuit.

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DIMENSIONS

Symbol	Nominal cross-section of conductor mm ²	Conductor type	Nominal insulation thickness mm	Nominal outer diameter mm	Max. resistance at 20°C Ω/km	Min. insulation resistance at 70°C MΩ*km	Weight kg/km
H05V-U	0.5	ru	0.6	2	36	0.015	8
H05V-U	0.75	ru	0.6	2.2	24.5	0.013	11
H05V-U	1	ru	0.6	2.3	18.1	0.011	14
H07V-U	1.5	ru	0.7	2.8	12.1	0.011	20
H07V-U	2.5	ru	0.8	3.4	7.41	0.01	32
H07V-U	4	ru	0.8	3.9	4.61	0.0087	47
H07V-U	6	ru	0.8	4.4	3.08	0.0074	67
H07V-R	6	rm	0.8	4.8	3.08	0.007	70
H07V-U	10	ru	1	5.6	1.83	0.0072	111
H07V-R	10	rm	1	6.2	1.83	0.0067	115
H07V-R	16	rm	1	7.4	1.15	0.0056	173
H07V-R	25	rm	1.2	9.1	0.727	0.0053	275
H07V-R	35	rm	1.2	10.3	0.524	0.0046	370
H07V-R	50	rm	1.4	11.9	0.387	0.0046	503
H07V-R	70	rm	1.4	13.7	0.268	0.004	706
H07V-R	95	rm	1.6	16.1	0.193	0.0039	976
H07V-R	120	rm	1.6	17.4	0.153	0.0035	1192
H07V-R	150	rm	1.8	19.5	0.124	0.0035	1483
H07V-R	185	rm	2	23	9.91	0.0035	1885
H07V-R	240	rm	2.2	24.3	7.54	0.0034	2464
H07V-R	300	rm	2.4	27.5	6.01	0.0033	3062

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