

H03VVH2-F, H05VVH2-F

CU/PVC/PVC



Flame Retardant And UV Resistant/ Power Cables

Construction

Conductor:	bare copper conductor class 5 acc. to IEC 60228 / HD 383 / DIN VDE 0295
Insulation:	PVC compound PVC/D acc. to IEC 60227
Sheath:	PVC compound ST5 acc. to IEC 60227
sheath colour:	White

Application

These cables are intended for connecting electrical appliances at low (H03VVH2-F) and medium (H05VVH2-F) mechanical loads in homes, kitchens and office rooms.

Technical data

Temperature range:	
During installation :	-5 °C up to +70 °C
during operation:	-30 °C up to +70 °C
at short circuit of max.	150 °C @ 5 sec
ambient temperature at storage:	up to 40 °C
Nominal voltage:	U /U = 300/500 V
Test voltage:core/core	2.5 KV AC for 5 Min
Minimal inner bending radius:	6X Cable Φ
Behavior in fire:	IEC 60332-1
Flame propagation:	IEC 60332-3 cat.A
Conductor resistance:	Acc to IEC 60228

Design Standards

IEC 60227

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Cable Code	Dimension and Weights				Electrical Properties		
	Nominal Cross Section	Overall Diameter	Net Weight	Standart Length	Max. Dc Conductor Resistance at 20° C	Current Carrying Capacity	
		mm	Kg/Km	mm		In Ground at 20° C	On Air at 30° C
F250	2x0.50	3.4x5.5	35	100	39	3	-
F275	2x0.75	3.4x5.7	41	100	26	6	-
F210	2x1.0	4.3x6.80	56	100	19.5	10	-
F215	2x1.5	4.50x7.60	63	100	13.3	20	-
F225	2x2.5	5.50x9.00	88	100	7.98	27	-
F240	2x4	6.10x10.50	125	100	4.95	34	-
F260	2x6	6.70x11.90	170	100	3.8	44	-
F375	3x0.75	3.60x8.50	62	100	26	13	-
F310	3x1.0	3.90x9.30	65	100	19.5	16	-
F315	3x1.5	4.55x10.80	95	100	13.3	20	-
F325	3x2.5	5.50x12.70	130	100	7.98	27	-
F340	3x4	6.00x14.30	180	100	4.95	34	-
F360	3x6	6.7x16.60	245	100	3.8	44	-