

H07V-K

CU/PVC – 450/750 V Wire

CABLE STANDARDS

ISIRI 607-2 , ISIRI 607-6 , IEC 60227,



APPLICATION

Wires is used in covered, dry places, in fixed plants, in distribution panels, on and under plaster as laid in conduit or on insulating support. For indoor fixed installations in dry locations, in switchboards and distributors. It should be installed in surface mounted or embedded conduits, or directly on suitably insulated objects.

CONSTRUCTION

Conductor

Class 5 or stranded copper conductors

Insulation

PVC (Polyvinyl Chloride)

CHARACTERISTICS

Voltage Rating (U_0/U) (Um)

450/750

Test Voltage

2500 V

Temperature Rating

Fixed: -20°C to +70°C

Flexed: -5°C to +70°C

Short Circuit Temperature

+160°C

Minimum Bending Radius

15 x Overall Diameter for Single Core

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Technical Specifications

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		Max DC Conductor Resistance at 20°C Ω.km	Short- circuit Current KA 1.sec Approx	Capacitance μf.km Approx	Reactance Ω.km Approx		OVERALL DIAMETER Mm Approx	WEIGHT kg.km Approx
	Conductor mm²					Trefoil	Flat		
1	0.5	RM.F	39.0	0.057	0.38	0.11	0.17	2.0	9
1	0.75	RM.F	26.0	0.086	0.40	0.11	0.18	2.4	11
1	1	RM.F	19.5	0.115	0.42	0.11	0.19	2.5	14
1	1.5	RM.F	13.3	0.173	0.39	0.11	0.19	2.9	20
1	2.5	RM.F	7.98	0.288	0.44	0.11	0.18	3.6	31
1	4	RM.F	4.95	0.460	0.57	0.10	0.18	4.2	46
1	6	RM.F	3.30	0.690	0.54	0.10	0.18	4.7	63
1	10	RM.F	1.91	1.150	0.54	0.10	0.18	6.1	107
1	16	RM.F	1.21	1.840	0.86	0.08	0.16	7.5	173
1	25	RM.F	0.780	2.875	0.89	0.08	0.16	9.2	268
1	35	RM.F	0.554	4.025	1.04	0.08	0.16	10.5	360
1	50	RM.F	0.386	5.750	1.07	0.08	0.15	12.6	515
1	70	RM.F	0.272	8.050	1.24	0.08	0.15	14.4	667
1	95	RM.F	0.206	10.925	1.29	0.07	0.15	16.9	927
1	120	RM.F	0.161	13.801	1.42	0.07	0.15	18.4	1141
1	150	RM.F	0.129	17.251	1.41	0.07	0.15	20.6	1416
1	185	RM.F	0.106	21.276	1.40	0.07	0.15	22.7	1711
1	240	RM.F	0.0801	27.601	1.46	0.07	0.15	25.9	2257