

H07V-R 450/750V



DESIGN

Conductor

Bare Copper, Class 2 Stranded

Insulation

PVC TI1



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.

CHARACTERISTICS

CPR acc. To EN 50575	ECA
Standard	EN 50525-2-31
Flame-retardant	VDE 0482-332-1-2 / IEC 60332-1-2
Max. temperature at conductor	70°C
Permitted outer cable temperature, fixed	-5°C up to +70°C
Permitted outer cable temperature, moved	5°C up to 70°C
Bending radius, fixed	6 x Outer Diameter
Conductor resistance	3.08
Nominal voltage Uo/U	450/750 V
Test voltage	2.5 kV

DIMENSIONS

Cross Section	Diameter Conductor	Conductor Resistance	Insulation Thickness	Ampacity in Air (30°C)	Outer Diameter	Weight
(mm²)	(mm)	(mm)	(mm)	(A)	(mm)	(Kg/Km)
1x6	3.3	3.08	0.8		4.7	65
1x16	5.3	1.15	1.0	98	6.8	175
1x25	6.6	0.727	1.2	129	8.5	275
1x35	7.9	0.524	1.2	158	9.5	370
1x50	9.1	0.387	1.4	198	11.2	500
1x70	11	0.268	1.4	245	12.7	710
1x95	12.9	0.193	1.6	292	14.8	970
1x120	14.5	0.153	1.6	344	16.3	1200
1x150	16.2	0.124	1.8	391	18.2	1470
1x185	18	0.0991	2.0	448	20.4	1806

** The product and information presented in this document are for calculation only and subject to technical progress. Outer diameters are approximately **