

H07V-K 450/750 V - Single core non-sheathed cables with flexible conductors



Application

Indoor application, household appliances, fix installation in ducts.

Global data

Standard	EN 50525-2-31
Type designation	H07V-K
Construction product regulation (CPR)	CPR acc. to DIN EN 50575, class and DoP code see data table below, DoP see www.prysmiangroup.com/cpr

Design features

Conductor	Stranded copper conductor IEC 60228 Cl.5
Insulation	PVC insulation
Available colours	Black, blue, brown, grey, orange, pink, red, turquoise, purple, white, green, yellow, yellow-green (green and yellow colours as S07V-K)
Example for marking	H07V-K 1 x 2,5 450/750 V black

Electrical parameters

Rated voltage	450/750 V
Test voltage (AC)	2,5 kV

Chemical parameters

Performance against fire	EN 60332-1
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of conductor at short-circuit	160 °C
Minimum installation temperature	-5 °C

Mechanical parameters

Min. bending radius	$D \leq 8: 3 \times D, 8 < D \leq 12: 3 \times D, 12 < D \leq 20: 4 \times D, D > 20: 4 \times D$
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Number of cores x cross section	Outer diameter mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C Ω /km	CPR fire class	CPR DoP-Code	Delivery length m
1x1,5	3	20	13.3	Eca	1001840	100
1x2,5	3.6	32	7.98	Eca	1001840	100
1x4	4.1	46	4.95	Eca	1001840	100
1x6	4.7	64	3.3	Eca	1001840	100
1x10	6	109	1.91	Eca	1001840	100, 500
1x16	7.2	164	1.21	Eca	1001840	100, 500
1x25	8.9	254	0.78	Eca	1001840	100, 500, 1000
1x35	10.7	357	0.554	Eca	1001840	500, 1000
1x50	13.1	517	0.386	Eca	1001840	500, 1000
1x70	15	715	0.272	Eca	1001840	500, 1000
1x95	17.3	932	0.206	Eca	1001840	500, 1000
1x120	19.3	1185	0.161	Eca	1001840	500, 1000
1x150	21.5	1482	0.129	Eca	1001840	500, 1000
1x185	23.6	1778	0.106	Eca	1001840	500, 1000
1x240	26.8	2350	0.0801	Eca	1001840	500, 1000
1x300	29.5	2904	0.0641	Eca	1001840	500