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H05V2-K **H07V2-K**	Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation according to LST EN 50525-31:2012
AWM style 1015	Single-conductorthermoplastic insulated wire, according to UL 758
AWM I A/B	Extruded PVC, Insulated Singles, Class I, Group A/B, according to CSA C22.2 No. 210



Application

These cables are used for internal wiring of panels and electrical equipment. These are used as connection wire in machines laid in protective tubes and flexible pipes and also for motors and transformers.

Additional information

Reaction to fire **Eca** according to LST EN 50575:2015

Construction	
Conductor	Flexible, annealed copper fine wire according to: UL 758, CSA Standard C22.2 No. 127, class 2, LST EN 60228:2005+AC
Insulation material	PVC insulation compound according to: UL 1581, CSA Standard C22.2, type TI 3 LST EN 50363-3:2006
Technical date	
Conductor resistance at +20°C	According to: UL 758 CSA Standard C22.2 No. 127 LST EN 60228:2005+AC
Cable operating temperature, max	+90°C according to LST EN 50525-31, +105°C according to UL 758 +105°C according CSA Standard C22.2 No. 127
Nominal voltage U/U_0 Nominal voltage U	450/750 V according to LST EN 50525-31 600 V according to UL 758 600 V according CSA Standard C22.2 No. 127
Operating temperatures	flexible -5°C to +105°C fixed -40°C to +105°C
Flame propagation	Flame test according to LST EN 60332-1-2:2005 Vertical flame test VW-1 UL, FT1 CSA
Minimum bending radius	Flexing 10 x cable ø. Fixed installation 5 x cable ø

Construction data sheet

AWG-No	Cross-sec. mm²,	Conductor		Outer Ø of cables mm, approx.	Thickness of insulation, mm	Conductor resistance at +20°C, Ω/km	Weight kg/km, approx.
		No. of strands/ Wire diameter, mm	Outer Ø, mm, approx.				
19	0,75	24/0,190	1,04	2,66	0,81	26	12,8
18	1,0	32/0,190	1,23	2,85	0,81	19,5	15,4
16	1,5	32/0,231	1,48	3,10	0,81	13,3	20,3
14	2,5	53/0,231	1,95	3,57	0,81	7,98	29,8
12	4	52/0,295	2,5	4,12	0,81	4,95	44,2
10	6	78/0,295	3,08	5,46	1,19	3,30	71,8
8	10	136/0,295	4,10	7,24	1,57	1,91	126,9

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