

## Tri-Rated | H07V2-K E<sub>ca</sub>

Multi-standard single core, 450/750 V / 0,6/1 kV  
+90 °C/ +105 °C service temperature  
EN 50525-2-31 / UL 758 / CSA C22.2 / BS 6231 and EN 50575

### Application

Multi-standard, heat resistant single core for internal wiring. The multiple-standard design makes them adequate for to be commercialised worldwide without technical barriers, except the sections not covered by some standard\*. For fixed and protected installation in devices, control cabinets and in or on lighting equipment. For installation in pipes on, in and under plaster as well as in closed installation ducts.

### Construction



1. Conductor: Copper conductor, bare, flexible (class 5)
2. Insulation: PVC, different colours

### Technical information

Rated voltage	U <sub>0</sub> /U	450/750 V	according to EN
	U <sub>0</sub> /U	600/1000 V	according to BS (CK)
Max. permissible temperature at conductor		600 V	according to UL (AWM) and CSA (TEW)
		90 °C	according to EN and BS
		105 °C	according to UL and CSA
Min. operating temperature	fixed installed	-40 °C	
Min. temperature during installation		5 °C	
Min. bending radius mm	fixed installed	5 x D outer diameter in mm	
<b>Safety parameters</b>			
Reaction to fire		EN 50399 E <sub>ca</sub>	
Flame spread	single cable	IEC 60332-1-2	
		VW-1 / FT2 according to UL 2556	

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N° of cores and size mm <sup>2</sup>	Insulation thickness approx. mm	Outer- diameter approx. mm	Cable weight approx. kg/km
1 x 1,5	0,7	3,2	22
1 x 2,5	0,8	3,7	33
1 x 4	0,8	3,5	47
1 x 6	0,8	4,7	68
1 x 10	1,0	6,2	114
1 x 16	1,0	7,5	168
1 x 25	1,2	9,5	261
1 x 35	1,2	10,6	350
1 x 50	1,4	12,4	489
1 x 70	1,4	14,7	686
1 x 95	1,6	16,9	951
1 x 120	1,6	18,2	1179
1 x 150	1,8	20,6	1454
1 x 185	2,0	22,7	1828
1 x 240	2,2	25,4	2347

\*EN 50525-2-31 covers harmonised conductor sizes up to 35mm<sup>2</sup>, cables above this size are generally to the specification.

La version française de cette fiche technique est disponible sur demande.  
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.