

# H07V-K (Yf)

Unsheathed single core cable

Standard: ÖVE/ÖNORM E 8241 (HD 21)

## Application:

For fixed installation in installation tubes on or under plaster. Suitable for the protected installation in and on lighting facilities or control devices for voltages up to 1000 V a.c. or 750 V d.c. against ground.



## Construction:

- 1 Copper conductor, fine wire
- 2 Insulation (PVC)



**Rated voltage:** 450/750 V



**Test voltage:** 2500 Veff



**Temperature range:**

During installation: min. +5 °C  
 Operating temperature: –40 °C to +70 °C  
 Conductor temperature: max. +70 °C  
 Short circuit temperature of the conductor: max. +160 °C/5 s



**Bending radius (min.):** 4 x Ø to 16 mm<sup>2</sup>,  
 5 x Ø 25 to 50 mm<sup>2</sup>,  
 above: 6 x Ø



**Core identification:**

black (bk), blue (bl), brown (br), green-yellow (gnye); Special colours: grey (gr), violet (vi), green (gn), yellow (ye), orange (or), white (wt), red (rd)



**Flammability:**

Self extinguishing (EN 50265-2-1, IEC 60332-1)



**Certification mark:**

ÖVE Austria,  
 EZÚ Czech Republic,  
 GOST Russia

Nominal cross section (mm <sup>2</sup> )	Core colours	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
<b>H07V-K (Yf)</b>							
1.5	bk, bl, br	13.300	2.8	15	20	100 R	<b>211.83</b>
2.5	bk, bl, br	7.980	3.6	25	31	100 R	<b>333.80</b>
4	bk, bl, br	4.950	4.0	40	46	100 R, 500 Sp	<b>510.92</b>
6	bk, bl, br	3.300	4.7	60	66	100 R, 500 Sp	<b>704.52</b>
10	bk, bl, br	1.910	6.0	100	104	100 R, 500 Sp	<b>1,335.02</b>
16	bk, bl, br	1.210	7.1	160	175	100 R, 500 Sp	<b>1,969.09</b>
25	bk, bl	0.780	9.0	250	280	100 R, 500 T, 1000 T	<b>2,255.85</b>
35	bk, bl	0.554	10.4	350	380	100 R, 500 T, 1000 T	<b>3,028.51</b>
50	bk	0.386	11.8	500	550	100 R, 500 T, 1000 T	<b>4,588.90</b>
70	bk	0.272	14.8	700	760	500 T, 1000 T	<b>6,674.09</b>
95	bk	0.206	16.4	950	1,020	500 T, 1000 T	<b>8,942.44</b>
120	bk	0.161	17.5	1,200	1,280	500 T, 1000 T	<b>10,811.86</b>
150	bk	0.129	19.0	1,500	1,600	500 T, 1000 T	<b>13,831.99</b>
185	bk	0.106	22.0	1,850	1,960	500 T, 1000 T	<b>16,971.70</b>
240	bk	0.080	27.0	2,400	2,550	500 T, 1000 T	<b>21,733.73</b>

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Nominal cross section (mm <sup>2</sup> )	Core colours	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/packing (m)	Price (EUR/km)
<b>H07V-K (Yf)</b>							
1.5	gnye, special colours	13.300	2.8	15	20	100 R	<b>237.29</b>
2.5	gnye, special colours	7.980	3.6	25	31	100 R	<b>354.93</b>
4	gnye, special colours	4.950	4.0	40	46	100 R, 500 Sp	<b>531.88</b>
6	gnye, special colours	3.300	4.7	60	66	100 R, 500 Sp	<b>724.73</b>
10	gnye, special colours	1.910	6.0	100	104	100 R, 500 Sp	<b>1,403.91</b>
16	gnye, special colours	1.210	7.1	160	175	100 R, 500 Sp	<b>2,010.05</b>
25	gnye, special colours	0.780	9.0	250	280	100 R, 500 T, 1000 T	<b>2,481.44</b>
35	gnye, special colours	0.554	10.4	350	380	100 R, 500 T, 1000 T	<b>3,331.36</b>
50	gnye, special colours	0.386	11.8	500	550	100 R, 500 T, 1000 T	<b>5,047.80</b>
70	gnye, special colours	0.272	14.8	700	760	500 T, 1000 T	<b>7,341.50</b>
95	gnye, special colours	0.206	16.4	950	1,020	500 T, 1000 T	<b>9,836.68</b>
120	gnye, special colours	0.161	17.5	1,200	1,280	500 T, 1000 T	11,893.05
150	gnye, special colours	0.129	19.0	1,500	1,600	500 T, 1000 T	15,215.18
185	gnye, special colours	0.106	22.0	1,850	1,960	500 T, 1000 T	18,668.86
240	gnye, special colours	0.080	27.0	2,400	2,550	500 T, 1000 T	23,907.09

Subject to technical changes. All figures are therefore without guarantee.