

# H07V-U (Ye) / H07V-R (Ym)

## 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, single (-U) resp. stranded wire (-R)
- 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), 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,  
 EVPÚ Slovakia,  
 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-U (Ye)</b>							
1.5	bk, bl, br	12.100	2.6	15	18	100 R	<b>131.22</b>
2.5	bk, bl, br	7.4100	3.0	25	29	100 R	<b>219.29</b>
4	bk, bl	4.6100	3.9	40	45	100 R	<b>326.53</b>
6	bk, bl, br	3.0800	4.1	60	63	100 R	<b>470.83</b>
10	bk, bl	1.8300	5.3	100	106	100 R	<b>793.57</b>
1.5	gnye	12.100	2.6	15	18	100 R	<b>137.78</b>
2.5	gnye	7.4100	3.0	25	29	100 R	<b>230.25</b>
4	gnye	4.6100	3.9	40	45	100 R	<b>359.21</b>
6	gnye	3.0800	4.1	60	63	100 R	<b>517.91</b>
10	gnye	1.8300	5.3	100	106	100 R	<b>872.94</b>
1.5	gr, vi, gn, ye, or, wt, rd	12.100	2.6	15	18	100 R	<b>144.32</b>
2.5	gr, vi, gn, ye, or, wt, rd	7.4100	3.0	25	29	100 R	<b>241.22</b>
4	gr, vi, gn, ye, or, wt, rd	4.6100	3.9	40	45	100 R	359.21
6	gr, vi, gn, ye, or, wt, rd	3.0800	4.1	60	63	100 R	517.91
10	gr, vi, gn, ye, or, wt, rd	1.8300	5.3	100	106	100 R	872.94

# H07V-U (Ye) / H07V-R (Ym)

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-R (Ym)</b>							
6	bk, bl, br	3.0800	4.4	60	64	100 R, 500 Sp, 1000 T	643.21
10	bk, bl, br	1.8300	5.8	100	110	100 R, 500 Sp, 1000 T	<b>909.03</b>
16	bk, bl, br	1.1500	6.3	160	170	100 R, 500 Sp, 1000 T	<b>1,379.16</b>
25	bk, bl	0.7270	7.9	250	260	100 R, 500 T, 1000 T	<b>2,158.69</b>
35	bk, bl	0.5240	8.5	350	370	100 R, 500 T, 1000 T	<b>2,938.06</b>
50	bk, bl	0.3870	11.3	500	530	100 R, 500 T, 1000 T	<b>3,932.39</b>
70	bk	0.2680	13.0	700	740	500 T, 1000 T	<b>5,528.39</b>
95	bk	0.1930	14.5	950	1,000	500 T, 1000 T	<b>7,454.31</b>
120	bk	0.1530	17.1	1,200	1,250	500 T, 1000 T	9,458.81
150	bk	0.1240	19.1	1,500	1,580	500 T, 1000 T	11,369.95
185	bk	0.0991	21.4	1,850	1,930	500 T, 1000 T	13,958.60
240	bk	0.0754	24.4	2,400	2,500	500 T, 1000 T	18,165.10
300	bk	0.0601	27.1	3,000	3,130	500 T, 1000 T	24,721.71
6	gnye, special colours	3.0800	4.4	60	64	100 R, 500 Sp, 1000 T	707.55
10	gnye, special colours	1.8300	5.8	100	110	100 R, 500 Sp, 1000 T	<b>999.92</b>
16	gnye, special colours	1.1500	6.3	160	170	100 R, 500 Sp, 1000 T	<b>1,517.07</b>
25	gnye, special colours	0.7270	7.9	250	260	100 R, 500 T, 1000 T	<b>2,374.55</b>
35	gnye, special colours	0.5240	8.5	350	370	100 R, 500 T, 1000 T	<b>3,231.88</b>
50	gnye, special colours	0.3870	11.3	500	530	100 R, 500 T, 1000 T	<b>4,325.64</b>
70	gnye, special colours	0.2680	13.0	700	740	500 T, 1000 T	<b>6,081.22</b>
95	gnye, special colours	0.1930	14.5	950	1,000	500 T, 1000 T	<b>8,199.74</b>
120	gnye, special colours	0.1530	17.1	1,200	1,250	500 T, 1000 T	10,404.68
150	gnye, special colours	0.1240	19.1	1,500	1,580	500 T, 1000 T	12,506.94
185	gnye, special colours	0.0991	21.4	1,850	1,930	500 T, 1000 T	15,354.47
240	gnye, special colours	0.0754	24.4	2,400	2,500	500 T, 1000 T	19,981.59
300	gnye, special colours	0.0601	27.1	3,000	3,130	500 T, 1000 T	27,193.88

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