

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

Insulated wire

Standard: ÖVE/ÖNORM E 8241 (HD 21)

Usage:

For fixed installation in conduit on or under plaster. Suitable for protected fixed installation in and on lighting installations or control equipment for ac voltages up to 750 V towards earth.



Construction:

- 1 Copper conductor, solid wire (-U) resp. stranded wire (-R)
- 2 Core insulation (PVC)



Rated voltage: 450/750 V



Test voltage: 2500 Veff



Temperature range:

laying temperature: min. +5 °C
 operating temperature: -5 °C to +70 °C
 conductor temperature: max. +70 °C
 short-circuit temperature: max. +160 °C/5 s



Bending radius (min.): 4 x Ø up to 16 mm²,
 5 x Ø 25 up to 50 mm²,
 above: 6 x Ø



Core identification:

black (sw), blue (bl), brown (br), green/yellow (gnge), grey (hgr), violet (vi), green (gn), yellow (ge), orange (or), white (ws), red (rt)



Fire properties:

fire retardant (EN 50265-2-1,
 IEC 60332-1)



Test certificate:

ÖVE Austria,
 EZÚ Czech Republic,
 EVPÚ Slovak Republic,
 GOST Russia

Nominal cross section (mm ²)	Colour of core	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
H07V-U (Ye)						
1.5	sw, bl, br	12.1	2.6	15	18	100 R
2.5	sw, bl, br	7.41	3.0	25	29	100 R
4	sw, bl	4.61	3.9	40	45	100 R
6	sw, bl, br	3.08	4.1	60	63	100 R
10	sw, bl	1.83	5.3	100	106	100 R
16	sw, bl	1.15	6.3	160	163	100 R
1.5	gnge	12.1	2.6	15	18	100 R
2.5	gnge	7.41	3.0	25	29	100 R
4	gnge	4.61	3.9	40	45	100 R
6	gnge	3.08	4.1	60	63	100 R
10	gnge	1.83	5.3	100	106	100 R
16	gnge	1.15	6.3	160	163	100 R
1.5	hgr, vi, gn, ge, or, ws, rt	12.1	2.6	15	18	100 R
2.5	hgr, vi, gn, ge, or, ws, rt	7.41	3.0	25	29	100 R
4	hgr, vi, gn, ge, or, ws, rt	4.61	3.9	40	45	100 R
6	hgr, vi, gn, ge, or, ws, rt	3.08	4.1	60	63	100 R
10	hgr, vi, gn, ge, or, ws, rt	1.83	5.3	100	106	100 R
16	hgr, vi, gn, ge, or, ws, rt	1.15	6.3	160	163	100 R

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

Nominal cross section (mm ²)	Colour of core	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
H07V-R (Ym)						
10	sw, bl, br	1.83	5.8	100	110	100 R, 500 Sp, 1000 T
16	sw, bl	1.15	6.3	160	170	100 R, 500 Sp, 1000 T
25	sw	0.727	7.9	250	260	100 R, 500 T, 1000 T
35	sw	0.524	8.5	350	370	100 R, 500 T, 1000 T
50	sw	0.387	11.3	500	530	100 R, 500 T, 1000 T
70	sw	0.268	13.0	700	740	500 T, 1000 T
95	sw	0.193	14.5	950	1,000	500 T, 1000 T
120	sw	0.153	17.1	1,200	1,250	500 T, 1000 T
150	sw	0.124	19.1	1,500	1,580	500 T, 1000 T
185	sw	0.0991	21.4	1,850	1,930	500 T, 1000 T
240	sw	0.0754	24.4	2,400	2,500	500 T, 1000 T
300	sw	0.0601	27.1	3,000	3,130	500 T, 1000 T
10	gnge, special colours	1.830	5.8	100	110	100 R, 500 Sp, 1000 T
16	gnge, special colours	1.150	6.3	160	170	100 R, 500 Sp, 1000 T
25	gnge, special colours	0.727	7.9	250	260	100 R, 500 T, 1000 T
35	gnge, special colours	0.524	8.5	350	370	100 R, 500 T, 1000 T
50	gnge, special colours	0.387	11.3	500	530	100 R, 500 T, 1000 T
70	gnge, special colours	0.268	13.0	700	740	500 T, 1000 T
95	gnge, special colours	0.193	14.5	950	1,000	500 T, 1000 T
120	gnge, special colours	0.153	17.1	1,200	1,250	500 T, 1000 T
150	gnge, special colours	0.124	19.1	1,500	1,580	500 T, 1000 T
185	gnge, special colours	0.0991	21.4	1,850	1,930	500 T, 1000 T
240	gnge, special colours	0.0754	24.4	2,400	2,500	500 T, 1000 T
300	gnge, special colours	0.0601	27.1	3,000	3,130	500 T, 1000 T

Subject to technical changes.