

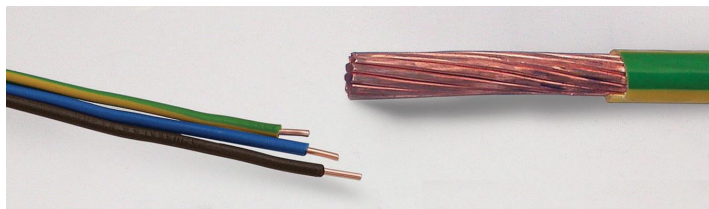
Building Wires per SI 60227 IEC 01



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Applications

- Home and industrial installations
- Up to 450/750V single and three phase system



Standards

- IEC 60227-3 / SI 60227.3
- IEC 60228 / SI 60228
- IEC 60332-1

Marking Designation and Certification

Solid conductor (class 1) - 60227 IEC 01 (previously HO7V-U)
Stranded conductor (class 2) – 60227 IEC 01 (previously HO7V-R)
All cables are approved by the Standards Institute of Israel – see certifications

Construction

- Conductor: Copper per IEC-60228, solid or stranded
- Insulation: PVC per IEC 60227-3 / SI 60227.3
- Insulation color: per customer request

Electrical and Mechanical Properties

Nominal cross-section	Number of wires	Max. outer diameter	Approx. weight	Max. Conductor resistance @ 20°C	Current rating @ 35°C
mm ²		mm	kg/m	Ω/km	A
60227 IEC 01 – Solid Conductor – Class 1 (H07V-U)					
1.5	1	2.6	19.5	12.1	14
2.5	1	3.5	30.4	7.41	19
4	1	4.0	44.7	4.61	26
6	1	5.2	63.7	3.08	33
60227 IEC 01 – Stranded Conductor – Class 2 (H07V-R)					
10	7	6.7	110	1.83	46
16	7	7.8	165	1.15	63
25	7	9.7	254	0.727	82
35	7	10.5	344	0.524	103
50	7	12.8	471	0.387	124
70	19	14.6	658	0.268	159
95	19	17.1	906	0.193	192
120	19	18.8	1126	0.153	222
150	37	20.9	1401	0.124	
185	37	23.3	1743	0.101	
240	37	26.6	2265	0.0775	

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Additional properties

- Maximum conductor temperature for continuous operation: 70°C
- Tested for flame propagation per IEC 60332-1
- Short circuit temperature: 160°C
- Minimum bending radius: 6xD

Cable Part Numbers

	Nominal cross-section (mm ²)	Part Number(*)
60227 IEC 01 (H07V-U)	1.5	11801xx
	2.5	12201xx
	4.0	12601xx
	6.0	12801xx
60227 IEC 01 (H07V-R)	10	13001xx
	16	13201xx
	25	13401xx
	35	13801xx
	50	14001xx
	70	14401xx
	95	14601xx
	120	14801xx
	150	15001xx
	185	15201xx
240	15601xx	

(*) Replace the "xx" in the Part Number with the following color codes:

Color	Color Code	Color	Color Code
25	Black	31	Brown-orange
26	Brown	32	Red
27	Blue	33	Grey
28	Violet	34	White
29	Yellow-green	35	Orange
30	Brown-black		

Yair Duchovni Cables reserves the right to modify the products described in this data sheet without prior notice

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