

H07V-R 6491X Strand Copper PVC Insulated BV Electrical Wires

PRODUCTS PICTURES



MAIN KEYWORDS

BV strand, THW, NYA, H05V-R, H07V-R, 6491X, and 60227 IEC 02 BV.

APPLICATION SELLING-POINT

The BV stranded cable can be used to connect indoor switch sockets, lighting, household appliances, small power tools and instruments. The cable has some characteristic: Safe and stable electrical performance, easy wiring soft performance, energy-saving green environmental performance.

PRODUCTS STRUCTURE

---Conductor Material

Plain annealed copper wire, stranded, class 2, meets to IEC 60228, GB/T 3956-2008.

---Insulation Material

PVC (Polyvinyl chloride), meet to EN 50363.

---Insulation Color

Red, yellow, blue, green, black, brown, yellow/green, and other colors.

---Sheath Material

Non-Sheath

---Core Number

Single core, 1C.

---Voltage Rate (U_0/U)

0.5~1.0 mm²: 300/500V; 1.5~630 mm²: 450/750V.

---Working Temperature

-15°C~+70°C.

--- Minimum Bending Radius

Up to 10 mm²: 3 x O.D.; 10 mm² to 25mm²: 4 x O.D.; Above 25 mm²: 5 x O.D.

PRODUCTS STANDARD

GB/T 5023, JB/T 8734, IEC 60227, BS 6004, EN 50525-2-31, VDE 0281, UL 83, TIS 11 Part 3-2553.

PRODUCTS PACKING

100 meters each roll, reel, coil, plastic reel, wooden pallet, wooden drum, or others.

PRODUCTS MOQ

0.5~1.0 mm²: ≥10000 meters, 1.5~70 mm²: ≥5000 meters, 95~400 mm²: ≥500 meters.

PRODUCTS DELIVERY

Within 5-7 working days as soon as we received the deposit.

PRODUCTS SPECIFICATION

Cross Section Area (mm ²)	Conductor Material	Conductor Structure (pcs/mm)	Insulated Material	Insulated Thickness (mm)	Insulated Color	Refer Max. Out Diameter (mm)	Refer Net Weight (kg/km)	Voltage Rate (U ₀ /U)	MOQ (m)
1 x 0.50	Copper wire, strand.	7/0.30	PVC	0.6	red, or others	2.5	10	300/500V	10000
1 x 0.75	Copper wire, strand.	7/0.37	PVC	0.6	red, or others	2.7	12	300/500V	10000
1 x 1.0	Copper wire, strand.	7/0.43	PVC	0.6	red, or others	2.9	15	300/500V	10000
1 x 1.5	Copper wire, strand.	7/0.52	PVC	0.7	red, or others	3.3	22	450/750V	5000
1 x 2.5	Copper wire, strand.	7/0.67	PVC	0.8	red, or others	4.0	34	450/750V	5000
1 x 4	Copper wire, strand.	7/0.83	PVC	0.8	red, or others	4.5	49	450/750V	5000
1 x 6	Copper wire, strand.	7/1.04	PVC	0.8	red, or others	5.2	71	450/750V	5000
1 x 10	Copper wire, strand.	7/1.35	PVC	1.0	red, or others	6.5	116	450/750V	5000
1 x 16	Copper wire, strand.	7/1.70	PVC	1.0	red, or others	7.5	176	450/750V	5000
1 x 25	Copper wire, strand.	7/2.14	PVC	1.2	red, or others	9.0	276	450/750V	5000
1 x 35	Copper wire, strand.	7/2.52	PVC	1.2	red, or others	10.1	368	450/750V	5000
1 x 50	Copper wire, strand.	19/1.78	PVC	1.4	red, or others	11.8	498	450/750V	5000
1 x 70	Copper wire, strand.	19/2.14	PVC	1.4	red, or others	13.5	703	450/750V	5000
1 x 95	Copper wire, strand	19/2.52	PVC	1.6	red, or others	16.4	970	450/750V	500

Cross Section Area (mm ²)	Conductor Material	Conductor Structure (pcs/mm)	Insulated Material	Insulated Thickness (mm)	Insulated Colour	Refer Max. Out Diameter (mm)	Refer Net Weight (kg/km)	Voltage Rate (U ₀ /U)	MOQ (m)
1 x 120	Copper wire, strand.	37/2.03	PVC	1.6	red, or others	17.5	1210	450/750V	500
1 x 150	Copper wire, strand.	37/2.25	PVC	1.8	red, or others	19.8	1490	450/750V	500
1 x 185	Copper wire, strand.	37/2.52	PVC	2.0	red, or others	22.7	1870	450/750V	500
1 x 240	Copper wire, strand.	61/2.25	PVC	2.2	red, or others	24.3	2450	450/750V	500
1 x 300	Copper wire, strand.	61/2.52	PVC	2.4	red, or others	28.5	3060	450/750V	200
1 x 400	Copper wire, strand.	61/2.85	PVC	2.6	red, or others	30.3	3900	450/750V	200

ELECTRICAL CHARACTERISICS

Cross Section Area (mm ²)	Max. DC Conductor Resistance at 20°C (Ω/km)	Min. DC Insulation Resistance at 70°C (MΩ . km)	Reference Current Carrying in air (A)	Nominal Packing	Remak
1 x 0.50	36.0	0.0150	13	200 m/roll	
1 x 0.75	24.5	0.0120	17	200 m/roll	
1 x 1.0	18.1	0.0110	20	200 m/roll	
1 x 1.5	12.1	0.0110	25	100 m/roll	
1 x 2.5	7.41	0.010	34	100 m/roll	
1 x 4	4.61	0.0090	44	100 m/roll	
1 x 6	3.08	0.0075	58	100 m/roll	
1 x 10	1.83	0.0070	79	100 m/roll	
1 x 16	1.15	0.0050	111	100 m/roll	
1 x 25	0.727	0.0050	146	100 m/roll	
1 x 35	0.524	0.0043	180	100 m/roll	
1 x 50	0.387	0.0042	228	wooden drum	
1 x 70	0.268	0.0035	281	wooden drum	
1 x 95	0.193	0.0034	344	wooden drum	

Cross Section Area (mm ²)	Max. DC Conductor Resistance at 20°C (Ω/km)	Min. DC Insulation Resistance at 70°C (MΩ . km)	Reference Current Carrying in air (A)	Nominal Packing	Remak
1 x 120	0.153	0.0032	397	wooden drum	
1 x 150	0.124	0.0032	456	wooden drum	
1 x 185	0.0091	0.0032	519	wooden drum	
1 x 240	0.0754	0.0031	592	wooden drum	
1 x 300	0.0601	0.0030	685	wooden drum	
1 x 400	0.0470	0.0028	799	wooden drum	

REMARK

---The information contained within this datasheet is for guidance only and is subject to change without notice or liability.

---All the information is provided in good faith and is believed to be correct at the time of publication.

---When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.

---The OEM or Small Order will be accepted, please feel free to contact to us immediately.

