

6181Y BVV Single Core PVC Insulated PVC Sheathed Electrical Wire and Cables

PRODUCTS PICTURES



MAIN KEYWORDS

BVV, BVVR, NVV, NYM, NYM-J, NYJ-O, 6181Y, H05VV-U, H07VV-U, H07VV-R, SDI Insulated Cable, 60227IEC10 BVV, CU/PVC/PVC.

APPLICATION SELLING-POINT

The single core BVV cable can be used for general purpose, for installation in raceway and shall be protected water into raceway, but do not install in duct in ground or direct burial in ground. The BVV cable has add one layer of insulation base on BV cable, it can better protect conductor and insulating material, wear resistance, oil resistance, acid resistance and alkali resistance.

PRODUCTS STRUCTURE

---Conductor Material

Pure annealed copper or aluminum wire, solid or strand, class 1 or class 2.

---Insulation Material

PVC (Polyvinyl chloride).

---Insulation Colour

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

---Sheath Material

PVC (Polyvinyl chloride).

---Sheath Colour

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

---Core Number

Single core, 1C.

---Voltage Rate (U_0/U)

300/500V

---Working Temperature

-15°C~+70°C.

--- Minimum Bending Radius

Up to 10 mm²: 5 x O.D., above 10 mm²: 6 x O.D.

PRODUCTS STANDARD

JB/T 8734-2016, GB/T 5023-2008, IEC 60227, BS 6004, VDE 0250, TIS 11 part 4-2553.

PRODUCTS PACKING

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

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)	PVC Insulated Thickness (mm)	PVC Sheathed Thickness (mm)	Refer Max. Out Diameter (mm)	Refer Net Weight (kg/km)	Voltage Rate (U/U ₀)	MOQ (m)
1 x 0.75	Copper wire, solid.	1/0.96	0.6	0.8	4.4		300/500V	10000
1 x 1.0	Copper wire, solid.	1/1.13	0.6	0.8	4.5	26	300/500V	10000
1 x 1.5	Copper wire, solid.	1/1.38	0.7	0.8	5.2	33	300/500V	5000
1 x 2.5	Copper wire, solid.	1/1.78	0.8	0.8	5.9	44	300/500V	5000
1 x 4	Copper wire, solid	1/2.24	0.8	0.9	6.8	62	300/500V	5000
1 x 6	Copper wire, solid.	1/2.72	0.8	0.9	7.3	84	300/500V	5000
1 x 10	Copper wire, solid.	1/3.52	1.0	0.9	8.8	138	300/500V	5000
1 x 16	Copper wire, strand.	7/1.70	1.0	0.9	9.9	204	300/500V	5000
1 x 25	Copper wire, strand.	7/2.14	1.2	1.0	12.1	315	300/500V	5000
1 x 35	Copper wire, strand.	7/2.52	1.2	1.1	13.5	415	300/500V	5000
1 x 50	Copper wire, strand.	19/1.78	1.4	1.3	15.8	589	300/500V	5000
1 x 70	Copper wire, strand.	19/2.14	1.4	1.4	17.9	790	300/500V	5000
1 x 95	Copper wire, strand	19/2.52	1.6	1.5	20.5	1060	300/500V	500
1 x 120	Copper wire, strand.	37/2.03	1.6	1.6	22.5	1305	300/500V	500
1 x 150	Copper wire, strand.	37/2.25	1.8	1.8	25.1	1615	300/500V	500
1 x 185	Copper wire, strand.	37/2.52	2.0	1.9	27.7	2010	300/500V	500

ELECTRICAL CHARACTERISTICS

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	Remarks
1 x 0.75	24.5	0.0130	17	200 m/roll	
1 x 1.0	18.2	0.0120	20	200 m/roll	
1 x 1.5	12.2	0.0110	25	100 m/roll	
1 x 2.5	7.41	0.0100	34	100 m/roll	
1 x 4	4.61	0.0087	44	100 m/roll	
1 x 6	3.08	0.0070	58	100 m/roll	
1 x 10	1.83	0.0067	79	100 m/roll	
1 x 16	1.15	0.0057	111	100 m/roll	
1 x 25	0.727	0.0054	146	100 m/roll	
1 x 35	0.524	0.0047	180	100 m/roll	
1 x 50	0.387	0.0042	228	wooden drum	
1 x 70	0.268	0.0040	281	wooden drum	
1 x 95	0.193	0.0039	344	wooden drum	
1 x 120	0.153	0.0035	397	wooden drum	
1 x 150	0.124	0.0034	456	wooden drum	
1 x 185	0.0991	0.0033	519	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.

