聚氯乙烯绝缘电缆（电线）

Cable(wire)with PVC Insulation

该类产品中B系列产品适用于交流额定电压450/750V及以下的动力装置固定敷设用；R系列产品适用于交流额定电压300/500V及以下的家用电器，小型电动工具、仪器、仪表及动力照明用铜芯聚氯乙烯绝缘连接软电缆（电线）。

B series of the product are used for fixed laying in powerplant of A.C rated voltage 450/750V or lower; R series of soft connection cable (wire) with cu core, PVC insulation.It is that suitable for household appliances, small electric tools, instruments and power lighting, with up to and including of AC rated voltage 300/500V.

一、生产执行标准

GB/T5023.1~7-2008等同采用IEC60227，JB/T8734.1~5-2016。

Executive standard

GB/T5023.1~7-2008(equal to IEC60227),JB/T8734.1~5-2016.

二、分类和型号

0-固定布线用无护套电缆；
01-一般用途单芯硬导体无护套电缆（60227IEC01）；
02-一般用途单芯软导体无护套电缆（60227IEC02）；
05-内部布线用导体温度为70℃的单芯实心导体无护套电缆（60227IEC05）；
06-内部布线用导体温度为70℃的单芯软导体无护套电缆（60227IEC06）；
07-内部布线用导体温度为90℃的单芯实心导体无护套电缆（60227IEC07）；
08-内部布线用导体温度为90℃的单芯软导体无护套电缆（60227IEC08）；
1-固定布线用护套电缆；
10-轻型聚氯乙烯护套电缆（60227IEC10）；
5-一般用途护套软电缆；
52-轻型聚氯乙烯护套软线（60227IEC52）；
53-普通聚氯乙烯护套软线（60227IEC53）。

Classication and Type as follows

0-Non-sheathed cable for fixed wiring
01-Single-core non-sheathed cable with rigid conductor for general purposes（60227IEC01）
02-Single-core non-sheathed cable with flexible conductor for general purposes（60227IEC02）
05-Single-core non-sheathed cable with solid conductor for internal wiring. (conductor temperature is 70℃)（60227IEC05）
06-Single-core non-sheathed cable with flexible conductor for internal wiring. (conductor temperature is 70℃)（60227IEC06）
07-Single-core non-sheathed cable with solid conductor for internal wiring. (conductor temperature is 90℃)（60227IEC07）
08-Single-core non-sheathed cable with flexible conductor for internal wiring. (conductor temperature is 90℃)（60227IEC08）
1-Cable with sheath for permanent wiring
10-Light PVC-sheathed cable（60227IEC10）
5-Flexible cable with sheath for general purpose
52-Light PVC-sheathed flexible wire（60227IEC52）
53-Ordinary (PVC-)sheathed flexible wire（60227IEC53）

三、产品型号中各字母代表意义

1、按用途分
固定敷设用电缆（电线）…… B
连接用软电缆（电线）…… R
装饰照明用软线 …… S
2、按材料特性分
铜导体 …… 省略
聚氯乙烯绝缘 …… V
聚氯乙烯护套 …… V
耐油聚氯乙烯护套 …… VY
3、按结构特性分
圆形 …… 省略
扁形（平形）…… B
双绞型 …… S
屏蔽型 …… P
软结构 …… R
4、按耐热特性分
70℃ …… 省略
90℃ …… 90

Code Meaning

1.Classified by usage
Cable (wire) for fixed installation …… B
Flexible cable (wire) for connection …… R
Flexible wire for decorated lighting …… S
2.Classified by material performance
Cu conductor ……Omitted
PVC insulation …… V
PVC sheath…… V
Oil resistant PVC sheath …… VY
3.Classified by structure character
Round type ……Omitted
Flat type …… B
Twinsted-pair type …… S
Shielding type …… P
Soft structure …… R
4. Classified by heat resistant performance
70℃ …… Omitted
90℃ ……90

四、型号名称及相应执行标准　Type, Description and Relevant Executive Standard

型号 Type	名称 Description	芯数 Core number	生产范围mm² Production scope	额定电压（V） Rated voltage	执行标准 Executive standard
60227IEC01 (BV)	一般用途单芯硬导体无护套电缆 Single-core non-sheathed cable with rigid conductor for general purposes	1	1.5~240	450/750	GB/T5023.3
60227IEC02 (RV)	一般用途单芯软导体无护套电缆 Single-core non-sheathed cable with flexible conductor for general purposes	1	1.5~240	450/750	
60227IEC05 (BV)	内部布线用导体温度为70℃的单芯实心导体无护套电缆 Single-core non-sheathed cable with solid conductor for internal wiring. (conductor temperature is 70℃)	1	0.5~1.0	300/500	
60227IEC06 (RV)	内部布线用导体温度为70℃的单芯软导体无护套电缆 Single-core non-sheathed cable with flexible conductor for internal wiring. (conductor temperature is 70℃)	1	0.5~1.0	300/500	
60227IEC07 (BV-90)	内部布线用导体温度为90℃的单芯实心导体无护套电缆 Single-core non-sheathed cable with solid conductor for internal wiring. (conductor temperature is 90℃)	1	0.5~2.5	300/500	
60227IEC08 (RV-90)	内部布线用导体温度为90℃的单芯软导体无护套电缆 Single-core non-sheathed cable with flexible conductor for internal wiring. (conductor temperature is 90℃)	1	0.5~2.5	300/500	
60227IEC10 (BVV)	轻型聚氯乙烯护套电缆 Light PVC-sheathed cable	2~5	1.5~35	300/500	GB/T5023.4
60227IEC52 (RVV)	轻型聚氯乙烯护套软线 Light PVC-sheathed flexible wire	2、3	0.5、0.75	300/300	GB/T5023.5
60227IEC53 (RVV)	普通聚氯乙烯护套软线 Ordinary (PVC-)sheathed flexible wire	2~5	0.75~2.5	300/500	
BV	铜芯聚氯乙烯绝缘电线 Wire with cu core, PVC insulation	1	0.75、1.0	300/500	JB/T 8734.2
BLV	铝芯聚氯乙烯绝缘电线 Wire with aluminum core, PVC insulation	1	2.5~400	450/750	
BVR	铜芯聚氯乙烯绝缘软电线 Flexible wire with cu core, PVC insulation	1	2.5~185	450/750	
BVV	铜芯聚氯乙烯绝缘护套圆形电缆 Round type cable with Cu core, PVC insulation and sheath	1	0.75~185	300/500	
BLVV	铝芯聚氯乙烯绝缘护套圆形电缆 Round type cable with aluminum core, PVC insulation and sheath	1	2.5~185	300/500	
BVVB	铜芯聚氯乙烯绝缘护套扁形电缆 Flat type cable with Cu core, PVC insulation and sheath	2、3	0.75~10	300/500	
BLVVB	铝芯聚氯乙烯绝缘护套扁形电缆 Flat type cable with aluminum core, PVC insulation and sheath	2、3	2.5~10	300/500	
RVVP	铜芯聚氯乙烯绝缘屏蔽聚氯乙烯护套软电缆（线） Flexible cable (wire) with Cu core, PVC insulation and shielding, PVC sheath	1~26	0.12-4.0	300/300	JB/T8734.5
RVV	铜芯聚氯乙烯绝缘聚氯乙烯护套软电线 Flexible wire with cu core, PVC insulation, PVC sheath	2	1.5~10	300/500	JB/T8734.3
		3~5	4~10		
		6~41	0.5~2.5		
RVS	铜芯聚氯乙烯绝缘绞型连接用软电线 PVC insulated twisted type connection flexible wire	2	0.5~0.6	300/300	JB/T8734.3

五、工作条件

1、长期允许工作温度应不超过：BV-90、RV-90型导体最高温度为90℃，其他型号为70℃。

2、电缆（线）敷设时温度应不低于0℃。

3、推荐的允许弯曲半径： 电缆外径＜25mm，应不小于4倍的电缆外径；电缆外径≥25mm，应不小于6倍的电缆外径。

Working Condition

1.Max conductor temperature for long-term working is 90℃ for BV-90、RV-90 type cable and 70℃ for other types.
2.Ambient temperature for installing cable(wire)shall be no lower than 0℃.
3.Recommended bending radius:
It is no less than 4 times of cable OD when cable OD is less than 25mm.
It is no less than 6 times of cable OD when cable OD is no less than 25mm.

六、规格尺寸（部分）

Specication and Size (part)

60227IEC01（BV）

导体标称截面mm² Nominal cross section area	导体种类 Conductor category	绝缘厚度标称值mm Nominal insulated thickness	外径上限mm Max. outer diameter	70℃时最小绝缘电阻MΩ.km Min insulated resistance at 70℃
1.5	1	0.7	3.2	0.011
1.5	2	0.7	3.3	0.010
2.5	1	0.8	3.9	0.010
2.5	2	0.8	4.0	0.009
4	1	0.8	4.4	0.0085
4	2	0.8	4.6	0.0077
6	1	0.8	5.0	0.0070
6	2	0.8	5.2	0.0065
10	1	1.0	6.4	0.0070
10	2	1.0	6.7	0.0065
16	2	1.0	7.8	0.0050
25	2	1.2	9.7	0.0050
35	2	1.2	10.9	0.0043
50	2	1.4	12.8	0.0043
70	2	1.4	14.6	0.0035
95	2	1.6	17.1	0.0035
120	2	1.6	18.8	0.0032
150	2	1.8	20.9	0.0032
185	2	2.0	23.3	0.0032
240	2	2.2	26.6	0.0032
300	2	2.4	29.6	0.0030
400	2	2.6	33.0	0.0028

60227IEC02（RV）

导体标称截面mm² Nominal cross section area	导体种类 Conductor category	绝缘厚度标称值mm Nominal insulated thickness	外径上限mm Max. outer diameter	70℃时最小绝缘电阻MΩ.km Min insulated resistance at 70℃
1.5	5	0.7	3.4	0.010
2.5	5	0.8	4.1	0.009
4	5	0.8	4.8	0.007
6	5	0.8	5.3	0.006
10	5	1.0	6.8	0.0056
16	5	1.0	8.1	0.0046
25	5	1.2	10.2	0.0044
35	5	1.2	11.7	0.0038
50	5	1.4	13.9	0.0037
70	5	1.4	16.0	0.0032
95	5	1.6	18.2	0.0032
120	5	1.6	20.2	0.0029
150	5	1.8	22.5	0.0029
185	5	2.0	24.9	0.0029
240	5	2.2	28.4	0.0028

60227IEC05（BV）

导体标称截面mm² Nominal cross section area	绝缘厚度标称值mm Nominal insulated thickness	外径上限mm Max. outer diameter	70℃时最小绝缘电阻MΩ.km Min insulated resistance at 70℃
0.5	0.6	2.3	0.015
0.75	0.6	2.5	0.012
1.0	0.6	2.7	0.011

60227IEC06（RV）

导体标称截面mm² Nominal cross section area	绝缘厚度标称值mm Nominal insulated thickness	外径上限mm Max. outer diameter	70℃时最小绝缘电阻MΩ.km Min insulated resistance at 70℃
0.5	0.6	2.5	0.013
0.75	0.6	2.7	0.011
1.0	0.6	2.8	0.010

60227IEC07（BV-90）

导体标称截面mm² Nominal cross section area	绝缘厚度标称值mm Nominal insulated thickness	外径上限mm Max. outer diameter	70℃时最小绝缘电阻MΩ.km Min insulated resistance at 70℃
0.5	0.6	2.3	0.015
0.75	0.6	2.5	0.013
1.0	0.6	2.7	0.012
1.5	0.7	3.2	0.011
2.5	0.8	3.9	0.009

60227IEC08（RV-90）

导体标称截面mm² Nominal cross section area	绝缘厚度标称值mm Nominal insulated thickness	外径上限mm Max. outer diameter	70℃时最小绝缘电阻MΩ.km Min insulated resistance at 70℃
0.5	0.6	2.5	0.013
0.75	0.6	2.7	0.012
1.0	0.6	2.8	0.010
1.5	0.7	3.4	0.009
2.5	0.8	4.1	0.009

注：其它规格结构及技术参数请参见GB5023-2008或JB/T8734-2016标准。

Note: Please refer to GB5023-2008 or JB/T8734-2016 standard for other specification and technical parameter.

七、交货长度

1、根据双方协议，允许任何长度的电缆交货；

2、长度计量误差不超过±0.5%。

Delivery Length

1.Delivery length of cable depends on both agree-ments.

2.The measurement error of lenth is no more than ±0.5%.