



**Cu/PVC-f  
450/750V  
2491X/H07V-K/NYAF**

**DESCRIPTION:**

Single-core non-sheathed cables with Flexible  
Class 5 conductor for general purposes

**CABLE STRUCTURE:**

**Conductor:**

Plain circular stranded copper conductor,  
conform to IEC 60228 class 5

**Insulation:**

PVC/C St5/St10

**CODE DESIGNATION:**

60227 IEC 01(International)  
BV 450/750V(China),BVR 450/750V(China)  
2491X /H07V-K,NYAF

**APPLICATION:**

PVC panel wiring for use in the switch control,  
relay and instrumentation panels of power switchgear  
and for purposes such as internal connectors in  
rectifier equipment, motor starters and controllers.

**TECHNICAL DATA:**

**Rated voltage:**

450/750V

**Max.Conductsr Temp.in normal use:**

70°C

**Min.Bending Radius:**

6 x cable O.D

**STANDARD:**

**International:**

IEC 60227

**European standard:**

EN 50525-2-31, EN 60228,

Flame Retardant according to IEC/EN 60332-1-2

**Indonesia standard:**

Conductor SNI IEC 60228,

PVC Insulation SNI 6629.1 ; SNI 04-6629.5

**China:**

GB/T 5023-2008

**Other standards**

such as BS, DIN and ICEA upon request

**CERTIFICATES:**

We hold SAA, CE, TUV and CCC certifications for  
our product categories. Additionally, we possess  
other authoritative certifications recognized in  
various countries and regions. For further details  
on our certification portfolio, please do not  
hesitate to contact us.







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Specifications

| Nom.Cross-<br>section Area | No.of wire<br>and<br>Diameter | Nominal<br>Thickness<br>Insulation | overall<br>diameter | cable<br>Weight | Min.Insulation<br>DC Resistance<br>at 20°C | Max current<br>carrying at 30<br>°C in air |
|----------------------------|-------------------------------|------------------------------------|---------------------|-----------------|--------------------------------------------|--------------------------------------------|
| mm <sup>2</sup>            | mm                            | mm                                 | mm                  | kg/km           | MΩ/km                                      | A                                          |
| 1.5                        | 30/0.25                       | 0.7                                | 3.2                 | 23              | 10                                         | 24                                         |
| 2.5                        | 50/0.25                       | 0.8                                | 4.0                 | 36              | 9                                          | 32                                         |
| 4                          | 56/0.3                        | 0.8                                | 4.6                 | 51              | 8                                          | 41                                         |
| 6                          | 84/0.3                        | 0.8                                | 5.2                 | 73              | 7                                          | 53                                         |
| 10                         | 84/0.4                        | 1.0                                | 6.5                 | 116             | 7                                          | 72                                         |
| 16                         | 126/0.4                       | 1.0                                | 8.0                 | 180             | 5                                          | 97                                         |
| 25                         | 196/0.4                       | 1.2                                | 10.1                | 275             | 4                                          | 128                                        |
| 35                         | 278/0.4                       | 1.2                                | 11.3                | 385             | 4                                          | 156                                        |
| 50                         | 398/0.4                       | 1.4                                | 13.4                | 550             | 4                                          | 195                                        |
| 70                         | 360/0.5                       | 1.4                                | 15.4                | 750             | 3                                          | 243                                        |
| 95                         | 475/0.5                       | 1.6                                | 17.7                | 1000            | 3                                          | 287                                        |
| 120                        | 608/0.5                       | 1.6                                | 20.0                | 1240            | 3                                          | 342                                        |
| 150                        | 760/0.5                       | 1.8                                | 21.9                | 1550            | 3                                          | 386                                        |
| 185                        | 925/0.5                       | 2                                  | 24.2                | 1900            | 3                                          | 441                                        |
| 240                        | 1221/0.5                      | 2.2                                | 26.6                | 2450            | 3                                          | 525                                        |