

# 60227 KS IEC 02 \_ KS C IEC 60227-3

450/750V 전기기기용 비닐절연전선 / 450/750V PVC Insulated Flexible Wire



## ❑ 적용범위

AC 450/750V 이하의 스위치보드 및 제어용 장비에 사용하는 도체가 유연한 비닐절연전선.

## ❑ 구 조

1. 도 체 : 5등급 (집 · 복합연선) 연동선
2. 절연체 : 내마모성 및 내흡성 PVC

## ❑ 절연체색상 : 흑, 백, 적, 녹, 황, 청

## ❑ 최고허용온도 : 70℃

## ❑ 적용규격 : KS C IEC 60227-3/ 전기용품안전기준 (K 60227-3)

## ❑ 제품인증

- 한국산업규격
- 전기용품 안전인증

## ❑ APPLICATION

This wire is suitable for wiring on switch boards, panel boards and control apparatus under AC 450/750V

## ❑ CONSTRUCTION

1. Conductor : Flexible Stranded Annealed Copper (Class5)
2. Insulation : Abrasion-and moisture-resistant PVC

## ❑ COLOR

Standard colors are Black, White, Red, Green, Yellow and Blue

## ❑ MAXIMUM ALLOWABLE TEMPERATURE : 70℃

## ❑ STANDARD : KS C IEC 60227-3

## ❑ CERTIFICATE

- Korean Industrial Standards
- Safety Certification for Electric and Electronic Appliance

도 체 Conductor			절연체 두께 Insulation Thickness (mm)	평균 완성 외경 Mean Overall Diameter		최대도체저항 Max. Conductor Resistance at 20℃		절연저항 Insulation Resistance at 70℃ (MΩ/km)	개산중량 (약) Approx. Weight (kg/km)	포장길이 Packing Length (m)
공칭단면적 Nominal Sectional Area (mm²)	최대소선경 Maximum Diameter of Wire (mm)	외경 (약) Approx. Diameter (mm)		하한값 Lower Limit (mm)	상한값 Upper Limit (mm)	동선 Copper (Ω/km)	도금동선 Tin-coated Copper (Ω/km)			
1.5	0.26	1.6	0.7	2.8	3.4	13.3	13.7	0.010	30	200
2.5	0.26	2.1	0.8	3.4	4.1	7.98	8.21	0.009	40	200
4	0.31	2.6	0.8	3.9	4.8	4.95	5.09	0.007	50	100
6	0.31	3.6	0.8	4.4	5.3	3.30	3.39	0.006	80	100
10	0.41	4.8	1.0	5.7	6.8	1.91	1.95	0.0056	130	100
16	0.41	6.0	1.0	6.7	8.1	1.21	1.24	0.0046	180	100
25	0.41	7.4	1.2	8.4	10.2	0.780	0.795	0.0044	280	100
35	0.41	8.7	1.2	9.7	11.7	0.554	0.565	0.0038	370	100
50	0.41	10.4	1.4	11.5	13.9	0.386	0.393	0.0037	500	100
70	0.51	12.5	1.4	13.2	16.0	0.272	0.277	0.0032	700	100
95	0.51	14.5	1.6	15.1	18.2	0.206	0.210	0.0032	970	100
120	0.51	16.2	1.6	16.7	20.2	0.161	0.164	0.0029	1200	100
150	0.51	18.2	1.8	18.6	22.5	0.129	0.132	0.0029	1490	100
185	0.51	20.2	2.0	20.6	24.9	0.106	0.108	0.0029	1850	100
240	0.51	23.3	2.2	23.5	28.4	0.0801	0.0817	0.0028	2440	100