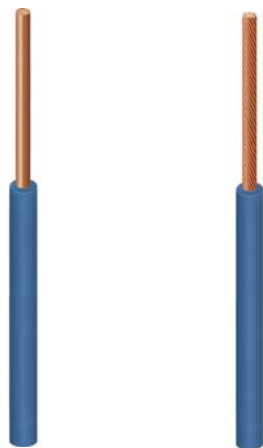


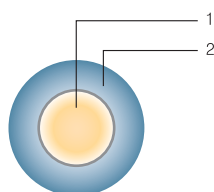
60227 KS IEC (VSF) _ KS C IEC 60227-3

300/500V 비닐절연 코드 / 300/500V PVC Insulated Non-Sheathed Cords



60227 KS IEC 05/07

60227 KS IEC 06/08



1. 도 체 1. Conductor
2. 절연체 2. Insulation

❑ 적용범위

주로 옥내에서 AC 300/500V 이하의 소형전기기구에 사용되는 전선으로
가용성 및 절연성이 좋으며 색상이 선명함.

❑ 구 조

1. 도 체 : 전기용 1등급(단선), 5 · 6등급(집 · 복합연선)연동선
2. 절연체 : PVC (70℃)

❑ 최고허용온도 : 70℃

❑ 적용규격 : KS C IEC 60227-3 / 전기용품 안전기준 (K 60227-3)

❑ 제품인증

- 한국산업규격
- 전기용품 안전인증

❑ APPLICATION

This cords is Widely used in electrical home apparatus under AC 300/500V for its flexibility, insulation easy colouring and beautiful external appearance.

❑ CONSTRUCTION

1. Conductor : Solid (Class 1) or Flexible Stranded Annealed Copper (Class 5 · 6)
2. Insulation : PVC (Poly Vinyl Chloride, 70℃)

❑ MAXIMUM ALLOWABLE TEMPERATURE : 70℃

❑ STANDARD: KS C IEC 60227-3

❑ CERTIFICATE

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

❑ 종류 및 기호

60227 KS IEC 05		기기내 배선용 단선 단심 절연전선 (70℃)
60227 KS IEC 06	(VSF)	기기내 배선용 유연성 단심 절연전선 (70℃)
60227 KS IEC 07		기기내 배선용 단선 단심 절연전선 (90℃)
60227 KS IEC 08	(HVSF)	기기내 배선용 유연성 단심 절연전선 (90℃)

❑ CLASSES AND SYMBOLS

60227 KS IEC 05	300/500V	PVC Insulated Wire (70℃)
60227 KS IEC 06	300/500V	PVC Insulated Flexible Wire (70℃)
60227 KS IEC 07	300/500V	Heat-Resistant PVC Insulated Wire (90℃)
60227 KS IEC 08	300/500V	Heat-Resistant PVC Insulated Flexible Wire (90℃)

기 호 Symbol	도체 Conductor				각층의 절연체 두께최소값 Each Layer Insulation Thickness (mm)	평균절연체 두께최소값 Mean Insulation Thickness (mm)	절연체 두께기준값 Insulation Thickness (mm)	평균원심외경 Mean Overall Diameter		최대도체저항 Max. Conductor Resistance at 20℃		절연저항 Insulation Resistance at	
	공칭 단면적 Nominal Sectional Area (mm ²)	도체등급 Conductor Class	최대 소선경 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)	70℃ (MΩ/km)	90℃ (MΩ/km)
300/500V 60227 KS IEC 05	0.5	1	-	0.8	-	-	0.6	1.9	2.3	36.0	36.7	0.015	-
	0.75		-	1.0	-	-	0.6	2.1	2.5	24.5	24.8	0.012	-
	1.0		-	1.1	-	-	0.6	2.2	2.7	18.1	18.2	0.011	-
300/500V 60227 KS IEC 06 (VSF)	0.5	5	0.21	0.9	-	-	0.6	2.1	2.5	39.0	40.1	0.013	-
	0.75		0.21	1.1	-	-	0.6	2.2	2.7	26.0	26.7	0.011	-
	1.0		0.21	1.3	-	-	0.6	2.4	2.8	19.5	20.0	0.010	-
300/500V 60227 KS IEC 07	0.5	1	-	0.8	-	-	0.6	1.9	2.3	36.0	36.7	-	0.015
	0.75		-	1.0	-	-	0.6	2.1	2.5	24.5	24.8	-	0.013
	1.0		-	1.1	-	-	0.6	2.2	2.7	18.1	18.2	-	0.012
	1.5		-	1.4	-	-	0.7	2.6	3.2	12.1	12.2	-	0.011
	2.5		-	1.8	-	-	0.8	3.2	3.9	7.41	7.56	-	0.009
300/500V 60227 KS IEC 08 (HVSF)	0.5	5	0.21	0.9	-	-	0.6	2.1	2.5	39.0	40.1	-	0.013
	0.75		0.21	1.1	-	-	0.6	2.2	2.7	26.0	26.7	-	0.012
	1.0		0.21	1.3	-	-	0.6	2.4	2.8	19.5	20.0	-	0.010
	1.5		0.26	1.6	-	-	0.7	2.8	3.4	13.3	13.7	-	0.009
	2.5		0.26	2.1	-	-	0.8	3.4	4.1	7.98	8.21	-	0.009