

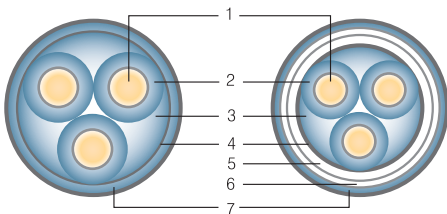
60227 KS IEC (74/75) _ KS C IEC 60227-7

300/500V 오일내성 비닐시스 (비)차폐 유연성 케이블 / 300/500V Oil-Resistant PVC Sheathed Screened and Unscreened Flexible Cables



60227 KS IEC 75

60227 KS IEC 74



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|---------|------------------------|
| 1. 도 체 | 1. Conductor |
| 2. 절연체 | 2. Insulation |
| 3. 개재물 | 3. Filler |
| 4. 테이프 | 4. Binder Tape |
| 5. 내부시스 | 5. Inner Sheath |
| 6. 동편조 | 6. Copper braid shield |
| 7. 시 스 | 7. Sheath |

☐ 종류 및 기호

- 60227 KS IEC 74 차폐 케이블 (70℃)
- 60227 KS IEC 75 비차폐 케이블 (70℃)

☐ 적용범위

AC 300/500V 이하의 기계공구와 기계적 조정장비를 포함하는 제조의 목적에 사용되는 기계부품들의 상호연결을 하는데 사용.

☐ 구 조

1. 도 체 : 5등급 (집 · 복합연선) 연동선
2. 절연체 : PVC
연 합 : 절연된 선심을 원형으로 연합
3. 내부시스 : PVC
4. 차 폐 : 동 편조
5. 시 스 : 오일내성 PVC

☐ 선심식별

녹/황 선심을 제외한 모든 선심은 번호로 표시

☐ 최고허용온도 : 70℃

☐ 적용규격 : KS C IEC 60227-7

☐ 제품인증

☞ 한국산업규격

☐ APPLICATION

This main purpose of these cables is for the interconnection of parts of machines used for manufacturing purpose, including machine tools and mechanical handling equipment.

☐ CONSTRUCTION

1. Conductor : Flexible Stranded Annealed Copper (Class 5)
2. Insulation : PVC (Poly Vinyl Chloride, 70℃)
Assembly : Multi-cores of cable shall be assembled to form a circular cable.
3. Inner Sheath : PVC (Poly Vinyl Chloride)
4. Shield : The copper braid shield is applied around the assembled cable.
5. Sheath : PVC (Oil-Resistant PVC, 60℃)
The sheath may fill the interstices between the cores but it shall not adhere to the cores.

☐ CORE IDENTIFICATION

Numbering code on all cores without green/yellow core

☐ MAXIMUM ALLOWABLE TEMPERATURE : 70℃

☐ STANDARD : KS C IEC 60227-7

☐ CERTIFICATE

☞ Korean Industrial Standards

☐ CLASSES AND SYMBOLS

- 60227 KS IEC 74 300/500V Oil-Resistant PVC Screened Flexible Cable (70℃)
- 60227 KS IEC 75 300/500V Oil-Resistant PVC Unscreened Flexible Cable (70℃)

SCREENED CABLE

기 호 Symbol	도체 Conductor				절연체 두께기준값 Insulation Thickness (mm)	시스 두께기준값 Sheath Thickness (mm)	최대 소선경 Maximum Diameter of wire (mm)	시스 두께기준값 Sheath Thickness (mm)	평균완성외경 Mean Overall Diameter		최대도체저항 Max. Conductor Resistance at 20℃		절연저항 Insulation Resistance at 70℃ (MΩ/km)
	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)	
오일내성 비닐시스 차폐 유연성 케이블 60227 KS IEC 74	2×0.5	5	0.21	0.9	0.6	0.7	0.16	0.9	7.7	9.6	39.0	40.1	0.013
	2×0.75		0.21	1.1	0.6	0.7	0.16	0.9	8.0	10.0	26.0	26.7	0.011
	2×1.0		0.21	1.3	0.6	0.7	0.16	0.9	8.2	10.3	19.5	20.0	0.010
	2×1.5		0.26	1.6	0.7	0.7	0.16	1.0	9.3	11.6	13.3	13.7	0.010
	2×2.5		0.26	2.1	0.8	0.7	0.16	1.1	10.7	13.3	7.98	8.21	0.009
	3×0.5	5	0.21	0.9	0.6	0.7	0.16	0.9	8.0	10.0	39.0	40.1	0.013
	3×0.75		0.21	1.1	0.6	0.7	0.16	0.9	8.3	10.4	26.0	26.7	0.011
	3×1.0		0.21	1.3	0.6	0.7	0.16	1.0	8.8	11.0	19.5	20.0	0.010
	3×1.5		0.26	1.6	0.7	0.7	0.16	1.0	9.7	12.1	13.3	13.7	0.010
	3×2.5		0.26	2.1	0.8	0.7	0.16	1.1	11.3	14.0	7.98	8.21	0.009
	4×0.5	5	0.21	0.9	0.6	0.7	0.16	0.9	8.5	10.7	39.0	40.1	0.013
	4×0.75		0.21	1.1	0.6	0.7	0.16	1.0	9.1	11.3	26.0	26.7	0.011
	4×1.0		0.21	1.3	0.6	0.7	0.16	1.0	9.4	11.7	19.5	20.0	0.010
	4×1.5		0.26	1.6	0.7	0.7	0.16	1.1	10.7	13.2	13.3	13.7	0.010
	4×2.5		0.26	2.1	0.8	0.8	0.16	1.2	12.6	15.5	7.98	8.21	0.009
	5×0.5	5	0.21	0.9	0.6	0.7	0.16	1.0	9.3	11.6	39.0	40.1	0.013
	5×0.75		0.21	1.1	0.6	0.7	0.16	1.0	9.7	12.1	26.0	26.7	0.011
	5×1.0		0.21	1.3	0.6	0.7	0.16	1.1	10.3	12.8	19.5	20.0	0.010
	5×1.5		0.26	1.6	0.7	0.8	0.16	1.2	11.8	14.7	13.3	13.7	0.010
	5×2.5		0.26	2.1	0.8	0.8	0.21	1.3	13.9	17.2	7.98	8.21	0.009
	6×0.5	5	0.21	0.9	0.6	0.7	0.16	1.0	9.9	12.4	39.0	40.1	0.013
	6×0.75		0.21	1.1	0.6	0.7	0.16	1.1	10.5	13.1	26.0	26.7	0.011
	6×1.0		0.21	1.3	0.6	0.7	0.16	1.1	11.0	13.6	19.5	20.0	0.010
	6×1.5		0.26	1.6	0.7	0.8	0.16	1.2	12.7	15.7	13.3	13.7	0.010
	6×2.5		0.26	2.1	0.8	0.8	0.21	1.4	15.2	18.7	7.98	8.21	0.009
	7×0.5	5	0.21	0.9	0.6	0.7	0.16	1.1	10.8	13.5	39.0	40.1	0.013
	7×0.75		0.21	1.1	0.6	0.7	0.16	1.2	11.5	14.3	26.0	26.7	0.011
	7×1.0		0.21	1.3	0.6	0.8	0.16	1.2	12.2	15.1	19.5	20.0	0.010
	7×1.5		0.26	1.6	0.7	0.8	0.21	1.3	14.1	17.4	13.3	13.7	0.010
	7×2.5		0.26	2.1	0.8	0.9	0.21	1.5	16.5	20.3	7.98	8.21	0.009
	12×0.5	5	0.21	0.9	0.6	0.8	0.21	1.3	13.3	16.5	39.0	40.1	0.013
	12×0.75		0.21	1.1	0.6	0.8	0.21	1.3	13.9	17.2	26.0	26.7	0.011
	12×1.0		0.21	1.3	0.6	0.8	0.21	1.4	14.7	18.1	19.5	20.0	0.010
	12×1.5		0.26	1.6	0.7	0.8	0.21	1.5	16.7	20.5	13.3	13.7	0.010
	12×2.5		0.26	2.1	0.8	0.9	0.21	1.7	19.9	24.4	7.98	8.21	0.009
	18×0.5	5	0.21	0.9	0.6	0.8	0.21	1.3	15.1	18.6	39.0	40.1	0.013
	18×0.75		0.21	1.1	0.6	0.8	0.21	1.5	16.2	19.9	26.0	26.7	0.011
	18×1.0		0.21	1.3	0.6	0.8	0.21	1.5	16.9	20.8	19.5	20.0	0.010
	18×1.5		0.26	1.6	0.7	0.9	0.21	1.7	19.6	24.1	13.3	13.7	0.010
	18×2.5		0.26	2.1	0.8	0.9	0.21	2.0	23.3	28.5	7.98	8.21	0.009
	27×0.5	5	0.21	0.9	0.6	0.8	0.21	1.6	18.0	22.1	39.0	40.1	0.013
	27×0.75		0.21	1.1	0.6	0.9	0.21	1.7	19.3	23.7	26.0	26.7	0.011
	27×1.0		0.21	1.3	0.6	0.9	0.21	1.7	20.2	24.7	19.5	20.0	0.010
	27×1.5		0.26	1.6	0.7	0.9	0.21	2.0	23.4	28.6	13.3	13.7	0.010
	27×2.5		0.26	2.1	0.8	1.0	0.26	2.3	28.2	34.5	7.98	8.21	0.009
	36×0.5	5	0.21	0.9	0.6	0.9	0.21	1.7	20.1	24.7	39.0	40.1	0.013
	36×0.75		0.21	1.1	0.6	0.9	0.21	1.8	21.3	26.2	26.0	26.7	0.011
	36×1.0		0.21	1.3	0.6	0.9	0.21	1.9	22.5	27.6	19.5	20.0	0.010
36×1.5	0.26		1.6	0.7	1.0	0.26	2.2	26.6	32.5	13.3	13.7	0.010	
36×2.5	0.26		2.1	0.8	1.1	0.26	2.4	31.5	38.5	7.98	8.21	0.009	
48×0.5	5	0.21	0.9	0.6	0.9	0.26	1.9	23.1	28.3	39.0	40.1	0.013	
48×0.75		0.21	1.1	0.6	1.0	0.26	2.1	24.9	30.4	26.0	26.7	0.011	
48×1.0		0.21	1.3	0.6	1.0	0.26	2.1	26.1	31.9	19.5	20.0	0.010	
48×1.5		0.26	1.6	0.7	1.1	0.26	2.4	30.4	37.0	13.3	13.7	0.010	
48×2.5		0.26	2.1	0.8	1.2	0.31	2.4	35.9	43.7	7.98	8.21	0.009	
60×0.5	5	0.21	0.9	0.6	1.0	0.26	2.1	25.5	21.1	39.0	40.1	0.013	
60×0.75		0.21	1.1	0.6	1.0	0.26	2.2	27.0	32.9	26.0	26.7	0.011	
60×1.0		0.21	1.3	0.6	1.0	0.26	2.3	28.5	34.7	19.5	20.0	0.010	
60×1.5		0.26	1.6	0.7	1.1	0.26	2.4	32.7	39.9	13.3	13.7	0.010	
60×2.5		0.26	2.1	0.8	1.2	0.31	2.4	38.8	47.2	7.98	8.21	0.009	

UNSCREENED CABLE

기 호 Symbol	도체 Conductor				절연체 두께기준값 Insulation Thickness (mm)	시스 두께기준값 Sheath Thickness (mm)	평균완성외경 Mean Overall Diameter		최대도체저항 Max. Conductor Resistance at 20℃		절연저항 Insulation Resistance at 70℃ (MΩ/km)
	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)	
오일내성 비닐시스 비차폐 유연성 케이블 60227 KS IEC 75	2×0.5	5	0.21	0.9	0.6	0.7	5.2	6.6	39.0	40.1	0.013
	2×0.75		0.21	1.1	0.6	0.8	5.7	7.2	26.0	26.7	0.011
	2×1.0		0.21	1.3	0.6	0.8	5.9	7.5	19.5	20.0	0.010
	2×1.5		0.26	1.6	0.7	0.8	6.8	8.6	13.3	13.7	0.010
	2×2.5		0.26	2.1	0.8	0.9	8.2	10.3	7.98	8.21	0.009
	3×0.5	5	0.21	0.9	0.6	0.7	5.5	7.0	39.0	40.1	0.013
	3×0.75		0.21	1.1	0.6	0.8	6.0	7.6	26.0	26.7	0.011
	3×1.0		0.21	1.3	0.6	0.8	6.3	8.0	19.5	20.0	0.010
	3×1.5		0.26	1.6	0.7	0.9	7.4	9.4	13.3	13.7	0.010
	3×2.5		0.26	2.1	0.8	1.0	9.0	11.2	7.98	8.21	0.009
	4×0.5	5	0.21	0.9	0.6	0.8	6.2	7.9	39.0	40.1	0.013
	4×0.75		0.21	1.1	0.6	0.8	6.6	8.3	26.0	26.7	0.011
	4×1.0		0.21	1.3	0.6	0.8	6.9	8.7	19.5	20.0	0.010
	4×1.5		0.26	1.6	0.7	0.9	8.2	10.2	13.3	13.7	0.010
	4×2.5		0.26	2.1	0.8	1.1	10.1	12.5	7.98	8.21	0.009
	5×0.5	5	0.21	0.9	0.6	0.8	6.8	8.6	39.0	40.1	0.013
	5×0.75		0.21	1.1	0.6	0.9	7.4	9.3	26.0	26.7	0.011
	5×1.0		0.21	1.3	0.6	0.9	7.8	9.8	19.5	20.0	0.010
	5×1.5		0.26	1.6	0.7	1.0	9.1	11.4	13.3	13.7	0.010
	5×2.5		0.26	2.1	0.8	1.1	11.0	13.7	7.98	8.21	0.009
	6×0.5	5	0.21	0.9	0.6	0.9	7.6	9.6	39.0	40.1	0.013
	6×0.75		0.21	1.1	0.6	0.9	8.1	10.1	26.0	26.7	0.011
	6×1.0		0.21	1.3	0.6	1.0	8.7	10.8	19.5	20.0	0.010
	6×1.5		0.26	1.6	0.7	1.1	10.2	12.6	13.3	13.7	0.010
	6×2.5		0.26	2.1	0.8	1.2	12.2	15.1	7.98	8.21	0.009
	7×0.5	5	0.21	0.9	0.6	0.9	8.3	10.4	39.0	40.1	0.013
	7×0.75		0.21	1.1	0.6	1.0	9.0	11.3	26.0	26.7	0.011
	7×1.0		0.21	1.3	0.6	1.0	9.5	11.8	19.5	20.0	0.010
	7×1.5		0.26	1.6	0.7	1.2	11.3	14.1	13.3	13.7	0.010
	7×2.5		0.26	2.1	0.8	1.3	13.6	16.8	7.98	8.21	0.009
	12×0.5	5	0.21	0.9	0.6	1.1	10.4	12.9	39.0	40.1	0.013
	12×0.75		0.21	1.1	0.6	1.1	11.0	13.7	26.0	26.7	0.011
	12×1.0		0.21	1.3	0.6	1.2	11.8	14.6	19.5	20.0	0.010
	12×1.5		0.26	1.6	0.7	1.3	13.8	17.0	13.3	13.7	0.010
	12×2.5		0.26	2.1	0.8	1.5	16.8	20.6	7.98	8.21	0.009
	18×0.5	5	0.21	0.9	0.6	1.2	12.3	15.3	39.0	40.1	0.013
	18×0.75		0.21	1.1	0.6	1.3	13.2	16.4	26.0	26.7	0.011
	18×1.0		0.21	1.3	0.6	1.3	14.0	17.2	19.5	20.0	0.010
	18×1.5		0.26	1.6	0.7	1.5	16.5	20.3	13.3	13.7	0.010
	18×2.5		0.26	2.1	0.8	1.8	20.2	24.8	7.98	8.21	0.009
	27×0.5	5	0.21	0.9	0.6	1.4	15.1	18.6	39.0	40.1	0.013
	27×0.75		0.21	1.1	0.6	1.5	16.2	19.9	26.0	26.7	0.011
	27×1.0		0.21	1.3	0.6	1.5	17.0	21.0	19.5	20.0	0.010
	27×1.5		0.26	1.6	0.7	1.8	20.3	24.9	13.3	13.7	0.010
	27×2.5		0.26	2.1	0.8	2.1	24.7	30.2	7.98	8.21	0.009
	36×0.5	5	0.21	0.9	0.6	1.5	17.0	20.9	39.0	40.1	0.013
	36×0.75		0.21	1.1	0.6	1.6	18.2	22.4	26.0	26.7	0.011
	36×1.0		0.21	1.3	0.6	1.7	19.4	23.8	19.5	20.0	0.010
36×1.5	0.26		1.6	0.7	2.0	23.0	28.2	13.3	13.7	0.010	
36×2.5	0.26		2.1	0.8	2.3	28.0	34.2	7.98	8.21	0.009	
48×0.5	5	0.21	0.9	0.6	1.7	19.8	24.3	39.0	40.1	0.013	
48×0.75		0.21	1.1	0.6	1.8	21.2	25.9	26.0	26.7	0.011	
48×1.0		0.21	1.3	0.6	1.9	22.5	27.6	19.5	20.0	0.010	
48×1.5		0.26	1.6	0.7	2.2	26.2	32.5	13.3	13.7	0.010	
48×2.5		0.26	2.1	0.8	2.4	32.1	39.1	7.98	8.21	0.009	
60×0.5	5	0.21	0.9	0.6	1.8	21.7	26.6	39.0	40.1	0.013	
60×0.75		0.21	1.1	0.6	2.0	23.4	28.7	26.0	26.7	0.011	
60×1.0		0.21	1.3	0.6	2.1	24.9	30.5	19.5	20.0	0.010	
60×1.5		0.26	1.6	0.7	2.4	29.5	35.8	13.3	13.7	0.010	
60×2.5		0.26	2.1	0.8	2.4	35.0	42.6	7.98	8.21	0.009	