2등급 단심 및 다심 케이블용 연선

Class 2 Stranded conductors for single-core and multicore cables

Standard : KS C IEC 60228

공칭단면적 Nominal Cross-Sectional Area	도체의 최소 소선수 Minimum Number of Wires in the Conductor			최대 도체 저항(20℃) Maximum Resistance of Conductor at 20℃	
	원형 도체(비압축) Circular Conductor	원형압축도체 Circular Compacted Conductor	선형 도체 Shaped Conductor	동 도체 Copper conductor	
				동선 Plain Wires	도금 동선 Metal-Coated Wires
mm²	Cu	Cu	Cu	Ω/km	Ω/km
0.5	7	-	-	36.0	36.7
0.75	7	-	-	24.5	24.7
1.0	7	-	-	18.1	18.2
1.5	7	6	-	12.1	12.2
2.5	7	6	-	7.41	7.56
4	7	6	-	4.61	4.70
6	7	6	-	3.08	3.11
10	7	6	-	1.83	1.84
16	7	6	-	1.15	1.16
25	7	6	6	0.727	0.734
35	7	6	6	0.524	0.529
50	19	6	6	0.387	0.391
70	19	12	12	0.268	0.270
95	19	15	15	0.193	0.195
120	37	18	18	0.153	0.154
150	37	18	18	0.124	0.126
185	37	30	30	0.0991	0.100
240	61	34	34	0.0754	0.0762
300	61	34	34	0.0601	0.0607
400	61	53	53	0.0470	0.0475

5등급 단신 및 다심 케이블용 가요 동 도체

Class 5 Flexible copper conductors for single-core and multicore cables

Standard : KS C IEC 60228

공칭단면적 Nominal Cross-Sectional Area	도체 Conductor			최대 도체 저항(20℃) Maximum Resistance of Conductor at 20℃	
	KS 규격 KS Standard	JIC 규격 JIC Standard		동 도체 Copper conductor	
	최대소선지름 Maximum Diameter of Wires in Conductor	소선 구성 Composition	바깥 지름 Outer Diameter	동선 Plain Wires	도금 동선 Metal-Coated Wires
mm²	Cu	Cu	Cu	Ω/km	Ω/km
0.5	0.21	20/0.18	0.9	39.0	40.1
0.75	0.21	30/0.18	1.1	26.0	26.7
1.0	0.21	40/0.18	1.3	19.5	20.0
1.5	0.26	31/0.25	1.6	13.3	13.7
2.5	0.26	51/0.25	2.1	7.98	8.21
4	0.31	75/0.26	2.6	4.95	5.09
6	0.31	7/16/0.26	3.6	3.30	3.39
10	0.41	7/19/0.32	4.8	1.91	1.95
16	0.41	7/29/0.32	6.0	1.21	1.24
25	0.41	7/45/0.32	7.4	0.78	0.795
35	0.41	7/62/0.32	8.7	0.554	0.565
50	0.41	19/32/0.32	10.4	0.386	0.393
70	0.51	19/23/0.45	12.5	0.272	0.277
95	0.51	19/31/0.45	14.5	0.206	0.210
120	0.51	19/39/0.45	16.2	0.161	0.164
150	0.51	19/49/0.45	18.2	0.129	0.132
185	0.51	37/31/0.45	20.2	0.106	0.108
240	0.51	37/41/0.45	23.3	0.0801	0.0817
300	0.51	37/51/0.45	26.0	0.0641	0.0654
400	0.51	61/42/0.45	30.3	0.0486	0.0495