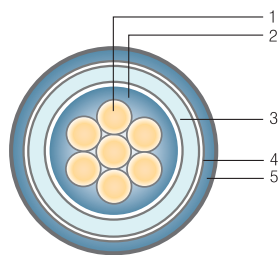


TFR-8

0.6/1KV 소방용 내화전선 / 0.6/1KV Flame Resistant Power Cable for Fire Service



- | | |
|----------|-----------------------|
| 1. 도 체 | 1. Conductor |
| 2. 내화층 | 2. Fire-Proof Layer |
| 3. 절연체 | 3. Insulation |
| 4. 내화보강층 | 4. Fire-Protect Layer |
| 5. 시 스 | 5. Sheath |

□ 적용범위

화재경보장치, 비상등, 스프링클러등의 내화성이 요구되는 곳에 사용 되는 케이블.

□ 구 조

1. 도 체 : 2등급 (연선) 연동선
2. 내화층 : 도체와 절연체 사이에 내화층을 둔다. (마이카 테이프)
3. 절연체 : PE (75℃)
4. 연 합 : 코어를 연합후 내화보강층을 둔다.
5. 시 스 : PVC (흑색)

□ 선심식별

선심수	색
1심	백
2심	적, 백
3심	청, 백, 적
4심	청, 백, 적, 녹

□ 적용기준 : 전기용품 안전 기준 (K 60502-1)

□ 제품인증

Ⓢ 전기용품 안전인증

□ APPLICATION

This cable is used for fire related equipment such as fire alarms, sprinkler system, emergency lighting circuits required fire-resistant properties.

□ CONSTRUCTION

1. Conductor : Stranded or Compacted Annealed Copper (Class 2)
2. Fire-proof layer : The fire-proof layer shall be applied between the conductor and Insulation
3. Insulation : PE (Polyethylene, 75℃)
4. Assembly : Multi-cores of pairs of cable shall be assembled to form a circular cable with a fire-protect layer
5. Sheath : PVC (Black)

□ CORE IDENTIFICATION

No. of Cores	Color
1 core	White
2 core	Red, White
3 core	Blue, White, Red
4 core	Blue, White, Red, Green

□ STANDARD : K 60502-1

□ CERTIFICATE

Ⓢ Safety Certification for Electric and Electronic Appliance

0.6/1KV TFR-8 단심 (Single Core)

도체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃ (Ω/km)	시험전압 Test Voltage (KV)	개산중량 (약) Approx. Weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	소선구성 Construction	외경 (약) Approx. Diameter (mm)						
1.5	7/0.53	1.59	0.7	1.4	8.5	12.1	3.5	60
2.5	7/0.67	2.01	0.7	1.4	9.0	7.41	3.5	80
4	7/0.85	2.55	0.7	1.4	9.5	4.61	3.5	100
6	7/1.04	3.12	0.7	1.4	10.0	3.08	3.5	120
10	7/1.35	4.05	0.7	1.4	11.0	1.83	3.5	180
16		4.7	0.7	1.4	12.0	1.15	3.5	220
25	원형	5.9	0.9	1.4	13.5	0.727	3.5	320
35	압축	6.9	0.9	1.4	15.0	0.524	3.5	430
50	연선	8.1	1.0	1.4	16.5	0.387	3.5	540
70		9.8	1.1	1.5	18.5	0.268	3.5	740
95		11.4	1.1	1.5	20.5	0.193	3.5	990
120	원형	12.9	1.2	1.6	22.5	0.153	3.5	1230
150	압축	14.4	1.4	1.7	25.0	0.124	3.5	1530
185	연선	15.9	1.6	1.7	27.0	0.0991	3.5	1890
240		18.3	1.7	1.8	30.0	0.0754	3.5	2450
300		20.5	1.8	1.9	33.0	0.0601	3.5	3040
400	원형	23.2	2.0	2.0	36.5	0.0470	3.5	3860
500	압축	26.4	2.2	2.1	41.0	0.0366	3.5	4920
630	연선	30.2	2.4	2.3	46.0	0.0283	3.5	6320

0.6/1KV TFR-8 2심 (Two Cores)

도체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃ (Ω/km)	시험전압 Test Voltage (KV)	개산중량 (약) Approx. Weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	소선구성 Construction	외경 (약) Approx. Diameter (mm)						
1.5	7/0.53	1.59	0.7	1.8	14.0	12.1	3.5	130
2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	3.5	170
4	7/0.85	2.55	0.7	1.8	16.0	4.61	3.5	210
6	7/1.04	3.12	0.7	1.8	17.5	3.08	3.5	260
10	7/1.35	4.05	0.7	1.8	19.5	1.83	3.5	350
16		4.7	0.7	1.8	21.0	1.15	3.5	470
25	원형	5.9	0.9	1.8	24.5	0.727	3.5	680
35	압축	6.9	0.9	1.8	26.5	0.524	3.5	910
50	연선	8.1	1.0	1.8	30.0	0.387	3.5	1180
70		9.8	1.1	1.9	34.5	0.268	3.5	1640
95		11.4	1.1	2.0	38.0	0.193	3.5	2210
120	원형	12.9	1.2	2.2	42.0	0.153	3.5	2710
150	압축	14.4	1.4	2.3	46.5	0.124	3.5	3390
185	연선	15.9	1.6	2.4	51.0	0.0991	3.5	4200
240		18.3	1.7	2.6	57.5	0.0754	3.5	5440
300		20.5	1.8	2.8	63.0	0.0601	3.5	6740

0.6/1KV TFR-8 3심 (Three Cores)

도 체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃ (Ω/km)	시험전압 Test Voltage (KV)	개산중량 (약) Approx. Weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	소선구성 Construction	외경(약) Approx. Diameter (mm)						
1.5	7/0.53	1.59	0.7	1.8	15.0	12.1	3.5	170
2.5	7/0.67	2.01	0.7	1.8	16.0	7.41	3.5	200
4	7/0.85	2.55	0.7	1.8	17.0	4.61	3.5	270
6	7/1.04	3.12	0.7	1.8	18.5	3.08	3.5	340
10	7/1.35	4.05	0.7	1.8	20.5	1.83	3.5	470
16	원형 압축 연선	4.7	0.7	1.8	22.0	1.15	3.5	640
25		5.9	0.9	1.8	26.0	0.727	3.5	930
35		6.9	0.9	1.8	28.5	0.524	3.5	1250
50		8.1	1.0	1.9	32.0	0.387	3.5	1600
70		9.8	1.1	2.0	37.0	0.268	3.5	2240
95	원형 압축 연선	11.4	1.1	2.1	41.0	0.193	3.5	3020
120		12.9	1.2	2.3	45.5	0.153	3.5	3850
150		14.4	1.4	2.4	50.5	0.124	3.5	4790
185		15.9	1.6	2.6	55.5	0.0991	3.5	5960
240		18.3	1.7	2.8	62.0	0.0754	3.5	7730
300		20.5	1.8	2.9	68.0	0.0601	3.5	9570

0.6/1KV TFR-8 4심 (Four Cores)

도 체 Conductor			절연체 두께 Insulation Thickness (mm)	시스 두께 Sheath Thickness (mm)	완성 외경 Mean Overall Diameter (mm)	최대도체저항 Max. Conductor Resistance at 20℃ (Ω/km)	시험전압 Test Voltage (KV)	개산중량 (약) Approx. Weight (kg/km)
공칭단면적 Nominal Sectional Area (mm ²)	소선구성 Construction	외경(약) Approx. Diameter (mm)						
1.5	7/0.53	1.59	0.7	1.8	16.0	12.1	3.5	190
2.5	7/0.67	2.01	0.7	1.8	17.0	7.41	3.5	250
4	7/0.85	2.55	0.7	1.8	18.5	4.61	3.5	330
6	7/1.04	3.12	0.7	1.8	20.0	3.08	3.5	420
10	7/1.35	4.05	0.7	1.8	22.5	1.83	3.5	600
16	원형 압축 연선	4.7	0.7	1.8	24.5	1.15	3.5	820
25		5.9	0.9	1.8	28.5	0.727	3.5	1220
35		6.9	0.9	1.8	31.5	0.524	3.5	1600
50		8.1	1.0	2.0	35.5	0.387	3.5	2110
70		9.8	1.1	2.1	41.0	0.268	3.5	2990
95	원형 압축 연선	11.4	1.1	2.3	45.5	0.193	3.5	4040
120		12.9	1.2	2.4	50.5	0.153	3.5	5050
150		14.4	1.4	2.6	56.0	0.124	3.5	6280
185		15.9	1.6	2.7	61.5	0.0991	3.5	7830
240		18.3	1.7	3.0	69.0	0.0754	3.5	10160
300		20.5	1.8	3.2	76.0	0.0601	3.5	12600