

Heat-Resistance Cables

RoHS

초유연성 / -60°C to +180°C

CS-ES and ECS-ES



- ① Extra-flexible red copper core (CS-ES) or tinned (ECS-ES) class 6 – IEC 228.
- ② Silicone rubber – type EI2 – HD 22.1.



Characteristics

Physical-chemical

- Continuous working temperature : -60°C to + 180°C
Peaks at + 230°C.
- Good resistance to thermal shock and UV.
- Excellent ageing resistance.
- Excellent resistance to alternate bending.

Electrical

- Working voltage : 600/1000V
- Test voltage : 4000V.

Products

- 0.25 to 6 mm² : all colours, including two-colour.
- 10 to 400 mm² : white, black, other colours on request.

Packaging

- Rolls, spools, drums or SILIBOX®

Options

- Other cross-sections or strandings : consult us.
- Reinforced walls : consult us.
- Specific colours : consult us.

Approvals - standards

- VERITAS test report N° 2501 3832 C00 I.
- CNET-approved silicone insulation as per specification CM26 / NF C 32-062.
- Halogen-free cable, meets requirements of test C1 of standard NF C 32-070.
- Silicone compound to HD22.1 – type EI2.
- Fire behaviour as per standards IEC332-1 and IEC331 : consult us.

Applications

- Wiring for alternate bending, cabling requiring a small bending radius.
- Wiring for domestic electrical heating appliances requiring the use of highly flexible cables.
- Measurement wires. (계측, 측정용 와이어)



Core

Insulated wire or cable

Nominal cross-section mm ²	Nominal stranding	Max. linear resistance at 20°C Ω/km (red copper core)	Nominal insulation thickness mm	Nominal outer diameter mm	Approx. linear weight kg/km
0.25	130 x 0.05 or 60 x 0.07	84.3	0.8	2.3	7.2
0.5	260 x 0.05 or 130 x 0.07	39.0	0.8	2.5	10.5
0.75	390 x 0.05 or 200 x 0.07	26.0	0.8	2.7	13.7
1	520 x 0.05 or 260 x 0.07	19.5	1.0	3.3	19.2
1.5	390 x 0.07 or 190 x 0.10	13.3	1.1	3.8	26.8
2.5	650 x 0.07 or 320 x 0.10	7.98	1.2	4.5	40.4
4	512 x 0.10 or 224 x 0.15	4.95	1.2	5.0	57.8
6	342 x 0.15 or 192 x 0.20	3.30	1.2	5.6	80.2
10	324 x 0.20	1.91	1.4	7.0	129.5
16	512 x 0.20	1.21	1.4	8.0	194.2
25	796 x 0.20	0.78	1.8	10.1	305.4
35	1120 x 0.20	0.554	1.8	11.3	412.1
50	1600 x 0.20	0.386	2.0	13.2	580.4
70	2240 x 0.20	0.272	2.0	14.9	789.7
95	3025 x 0.20	0.206	2.2	17.1	1062.3
120	3820 x 0.20	0.161	2.2	18.7	1320.7
150	4775 x 0.20	0.129	2.4	20.7	1645.8
185	5888 x 0.20	0.106	2.6	22.9	2023.7
240	7639 x 0.20	0.0801	2.8	25.8	2608.2

TCC

Thomas Cable