

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 : 300/500V.
- Test voltage : 2000V.

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	0.6	1.9	5.80
0.5	260 x 0.05 or 130 x 0.07	39.0	0.6	2.1	8.50
0.75	390 x 0.05 or 200 x 0.07	26.0	0.6	2.4	11.5
1	520 x 0.05 or 260 x 0.07	19.5	0.6	2.5	14.2
1.5	390 x 0.07 or 190 x 0.10	13.3	0.6	2.8	19.8
2.5	650 x 0.07 or 320 x 0.10	7.98	0.7	3.4	30.7
4	512 x 0.10 or 224 x 0.15	4.95	0.8	4.2	48.0
6	342 x 0.15 or 192 x 0.20	3.30	0.8	5.0	72.2
10	324 x 0.20	1.91	1.0	6.4	123
16	512 x 0.20	1.21	1.2	7.8	187
25	796 x 0.20	0.78	1.4	9.6	290
35	1120 x 0.20	0.554	1.4	11.0	395
50	1600 x 0.20	0.386	1.6	13.2	553
70	2240 x 0.20	0.272	1.6	14.8	746
95	3025 x 0.20	0.206	1.8	17.4	1006
120	3820 x 0.20	0.161	1.8	19.4	1253
150	4775 x 0.20	0.129	2.0	21.4	1563
185	5888 x 0.20	0.106	2.2	23.9	1920
240	7639 x 0.20	0.0801	2.2	26.4	2535