

Heat-Resistance Cables

CS and ECS -60°C to +180°C

RoHS



- ① Flexible red copper core (CS) or tinned (ECS) – class 5 – IEC 228.
- ② Silicone rubber – type EI2 – HD 22.1.



Characteristics

Physical-chemical

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

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

- Nickel-plated copper core : ref. CNCS.
- Pure nickel core : ref. NCS.
- Mechanical outer shielding :
 - in galvanized steel : ref. CSBG.
 - in stainless steel : ref. CSBI.
- Other options : 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 HD 22.1 – type EI2.
- Fire behaviour as per standards IEC 332-1 and IEC 331 : consult us.
- Low emission of fumes, to standard IEC 1034 (NF C 32-073).
- Low corrosiveness of emitted gases, to standard IEC 754-2.

Applications

- Wiring of domestic electrical heating appliances.
- Rotating machines (class H).
- Urban lighting.
- Industrial wiring in hot environments. (고온 환경에 쓰이는 산업용 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 thickness of insulating sheath mm	Nominal outer diameter mm	Approx. linear weight kg/km
0.25	14 x 0.15 or 8 x 0.20	78.6	0.6	1.9	5.80
0.4	12 x 0.20	52.4	0.6	2.0	7.50
0.5	16 x 0.20	39.0	0.6	2.1	8.50
0.6	19 x 0.20	32.8	0.6	2.2	9.60
0.75	24 x 0.20	26.0	0.6	2.4	11.5
1	32 x 0.20	19.5	0.6	2.5	14.2
1.5	30 x 0.25	13.3	0.6	2.8	19.8
2.5	50 x 0.25	7.98	0.7	3.4	30.7
4	56 x 0.30	4.95	0.8	4.2	48.0
6	84 x 0.30	3.30	0.8	4.8	72.8
10	80 x 0.40	1.91	1.0	6.4	123
16	126 x 0.40	1.21	1.2	7.8	187
25	196 x 0.40	0.78	1.4	9.6	290
35	276 x 0.40	0.554	1.4	11.0	395
50	396 x 0.40	0.386	1.6	13.2	553
70	360 x 0.50	0.272	1.6	14.8	746
95	485 x 0.50	0.206	1.8	17.4	1006
120	608 x 0.50	0.161	1.8	19.4	1253
150	756 x 0.50	0.129	2.0	21.4	1563
185	944 x 0.50	0.106	2.2	23.9	1920
240	1221 x 0.50	0.0801	2.2	26.4	2535
300	1525 x 0.50	0.0641	2.4	29.9	3072
400	2037 x 0.50	0.0486	2.6	34.2	4100