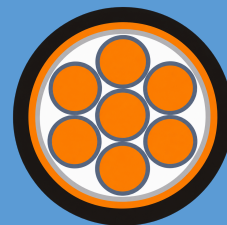


Silicone Rubber Insulated Heat-Resistant Control Cable



Cu / SiR / CWB / SiR

APPLICATION

Designed for control, instrumentation and signal circuits in demanding industrial environments requiring high-temperature resistance, flexibility and corrosion resistance. Typical applications include steelmaking, casting and heat-treatment equipment near furnaces, as well as instrumentation and control wiring around boilers and turbine units in power plants. Suitable for fixed or flexible installations exposed to high temperatures, corrosive environments and repeated bending.

ADVANTAGES

■ **Wide Temperature Range:** -40°C to +180°C

■ **High Flexibility, Min. Bending Radius** 6–12 × OD

■ **Flame Retardant to IEC 60332-1**

■ **Good Chemical & Corrosion Resistance**

Key Features: Silicone Rubber Insulation & Sheath · 180°C Rated · Copper Braid ≥80% · IEC 60332-1 · Flexible Construction

CABLE CONSTRUCTION

TECHNICAL CHARACTERISTICS

ELECTRICAL CHARACTERISTICS

Conductor	Oxygen-free copper conductor	Operating Temp.	-40°C to +180°C	Rated Voltage	450/750 V
Insulation	Silicone rubber	Flame Retardant	IEC 60332-1	Test Voltage	3.0 kV / 5 min
Wrapping Tape	Polyester tape	Flame Test	IEC 60332-1	Min. Bending Radius	6–12 × OD
Braided Shield	Oxygen-free copper wire braid, coverage ≥ 80%	Standard	JB/T 13108-2017	Insulation Resistance	≥ 1500 MΩ·km
Sheath	Silicone rubber				
Sheath Color	Red				

DIMENSIONS

No. of Cores × Cross Section n × mm ²	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Weight kg/km
2×1	0.7	1.4	9.2	101
3×1	0.7	1.4	9.6	120
4×1	0.7	1.4	10.8	149
5×1	0.7	1.4	11.6	173
2×1.5	0.8	1.4	10.2	124
3×1.5	0.8	1.4	10.7	151
4×1.5	0.8	1.4	12.0	187

5×1.5	0.8	1.4	12.9	219
7×1.5	0.8	1.5	14.1	275
12×1.5	0.8	1.5	18.0	443
14×1.5	0.8	1.5	18.8	497
19×1.5	0.8	1.7	21.1	645
24×1.5	0.8	1.7	24.3	794
37×1.5	0.8	1.7	27.7	1150
2×2.5	0.8	1.4	11.1	154
3×2.5	0.8	1.4	11.6	192
4×2.5	0.8	1.5	13.5	260
5×2.5	0.8	1.5	14.5	305
7×2.5	0.8	1.5	15.6	380
12×2.5	0.8	1.7	20.2	607
14×2.5	0.8	1.7	21.1	684
19×2.5	0.8	1.7	23.3	873
24×2.5	0.8	1.7	27.0	1081
37×2.5	0.8	2	31.5	1620



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