

High Temperature Wire 600V 500C

Description

Name: High Temperature Wire 600V 500C

Size: 0.5-16.0mm²

Feature

Rating Voltage: 600V

Rated Temperature: 500°C

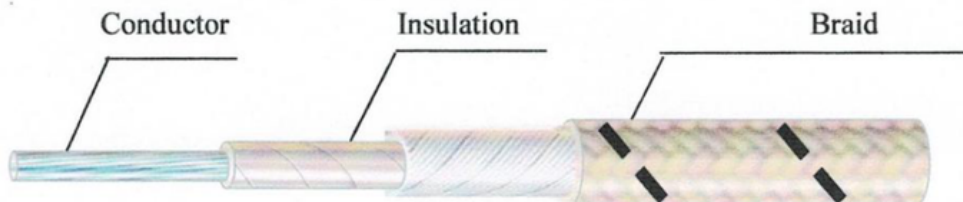
Structure

Conductor: Stranded Nickel

Insulation: Mica tape, Fiberglass wrapping

Braid: Fiberglass

Color: Tan with black stripes



Size mm ²	Conductor Structure	Mica Thickness (mm)	Fiberglass Serve Thickness (mm)	Braid Thickness (mm)	Diameter (mm)	AMPS At 40°C	AMPS At 450°C
0.5	16/0.2	0.45	0.13	0.2	2.4±0.1	8	2.4
1.0	32/0.2	0.45	0.13	0.2	2.8±0.1	12	3.6
1.5	30/0.25	0.45	0.13	0.2	3.1±0.1	14	4.2
2.5	35/0.3	0.45	0.26	0.2	3.8±0.2	22	6.6
4.0	56/0.3	0.53	0.26	0.25	4.7±0.2	27	8.1
6.0	84/0.3	0.53	0.26	0.25	5.3±0.2	37	11.1
10.0	140/0.3	0.53	0.26	0.25	6.6±0.5	52	15.6
16.0	224/0.3	0.53	0.26	0.25	7.8±0.5	64	19.2

Pure Nickle Current-carrying Capacity (A)											
	40°C	60°C	90°C	100°C	120°C	150°C	200°C	250°C	300°C	350°C	450°C
0.5mm ²	8	7.9	7.4	7.4	7.1	6.7	6.2	5.5	4.8	3.9	2.4
1.0mm ²	12	11.9	11.2	11.0	10.7	10.1	9.4	8.3	7.2	5.9	3.6
1.5mm ²	14	13.9	13.0	12.9	12.5	11.8	10.9	9.7	8.4	6.9	4.2
2.0mm ²	21	20.8	19.5	19.3	18.7	17.6	16.4	14.5	12.6	10.3	6.3
2.5mm ²	22	21.8	20.5	20.2	19.6	18.5	17.2	15.2	13.2	10.8	6.6
4.0mm ²	27	26.7	25.1	24.8	24.0	22.7	21.1	18.6	16.2	13.2	8.1
6.0mm ²	37	36.6	34.4	34.0	32.9	31.1	28.9	25.5	22.2	18.1	11.1
10.0mm ²	52	51.5	48.4	47.8	46.3	43.7	40.6	35.9	31.2	25.5	15.6
16.0mm ²	64	63.4	59.5	58.9	57.0	53.8	49.9	44.2	38.4	31.4	19.2

