200°C AF200X TINNED COPPER CONDUCTOR FEP INSULATED WIRE

APPLICATION

Suitable for household appliances, lighting fixtures (cold light sources), small motors, temperature sensors, electromagnetic coils, automotive internal wiring, electronic appliances, etc.

Technical data

Conductor: Tinned copper
Insulation: FEP Teflon
Temperature Range: -65C~200℃
Rated Voltage:600V

bsi ISO 14001 Environmental Management CERTIFIED
bsi ISO 45001 Occupational Health and Safety Management CERTIFIED
bsi IATF 16949 Automotive Quality Management CERTIFIED

Nominal section mm2 （mm2）	Number/strand Diameter（mm）	Insulation thickness （mm）	Nominal outer diameter （mm）	20 ℃ Maximum conductor resistance （Ω/km）
0.014	7/0.05	0.15	0.45	1454
0.035	7/0.08	0.15	0.6	567
0.05	7/0.10	0.15	0.6	358
0.08	7/0.12	0.2	0.78	247
0.12	7/0.15	0.2	0.85	165
0.2	7/0.20	0.25	1.1	91

Nominal section mm2 (mm2)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.35	19/0.16	0.25	1.3	53
0.5	19/0.18	0.25	1.4	40.3
0.75	19/0.23	0.25	1.7	24.8
1	19/0.26	0.25	1.8	20.7
1.2	19/0.28	0.3	2	16.7
1.5	19/0.32	0.3	2.2	13.0
2	19/0.37	0.3	2.45	10.3
2.5	19/0.41	0.4	2.95	7.5
4	37/0.37	0.4	3.4	4.9
6	37/0.45	0.5	4.2	3.34
8	133/0.28	0.5	5.2	2.33
10	133/0.32	0.5	5.8	1.87
16	133/0.39	0.6	7	1.25
20	133/0.45	0.6	8	0.91
25	196/0.40	0.6	8.8	0.81
35	494/0.30	0.7	10.4	0.58
50	396/0.40	0.8	12.2	0.41
70	551/0.40	1	14.6	0.29
95	760/0.40	1.2	17.2	0.31

Note: Other specifications of wires could be customized according to your requirements.

200°C AF200 SILVER PLATED COPPER CONDUCTOR FEP INSULATED WIRE

APPLICATION

Suitable for household appliances, lighting fixtures (cold light sources), small motors, temperature sensors, electromagnetic coils, automotive internal wiring, electronic appliances, etc.

Technical data

Conductor: solid or stranded silver plated copper
Insulation: FEP Teflon
Temperature Range: -65C~200℃
Rated Voltage:600V

bsi ISO 14001 Environmental Management CERTIFIED
bsi ISO 45001 Occupational Health and Safety Management CERTIFIED
bsi IATF 16949 Automotive Quality Management CERTIFIED

Nominal section (mm2)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.014	7/0.05	0.15	0.45	1343
0.035	7/0.08	0.15	0.6	525
0.05	7/0.10	0.15	0.6	330
0.08	7/0.12	0.2	0.78	227
0.12	7/0.15	0.2	0.85	150

Nominal section (mm2)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.2	7/0.20	0.25	1.1	83.5
0.35	19/0.16	0.25	1.3	49.5
0.5	19/0.18	0.25	1.4	36
0.75	19/0.23	0.25	1.7	22.7
1	19/0.26	0.25	1.8	19
1.2	19/0.28	0.3	2	15.3
1.5	19/0.32	0.3	2.2	11.7
2	19/0.37	0.3	2.45	9.45
2.5	19/0.41	0.4	2.95	6.86
4	37/0.37	0.4	3.4	4.51
6	37/0.45	0.5	4.2	3.05
8	133/0.28	0.5	5.2	2.16
10	133/0.32	0.5	5.8	1.68
16	133/0.39	0.6	7	1.13
20	133/0.45	0.6	8	0.886
25	196/0.40	0.6	8.8	0.734
35	494/0.30	0.7	10.4	0.511
50	396/0.40	0.8	12.2	0.358
70	551/0.40	1	14.6	0.27
95	760/0.40	1.2	17.2	0.21
0.03	1/0.20	0.15	0.5	560
0.05	1/0.26	0.17	0.6	386.9
0.07	1/0.30	0.2	0.7	245
0.12	1/0.40	0.2	0.8	146.9
0.2	1/0.50	0.25	1	94
0.3	1/0.60	0.3	1.2	65.3
0.5	1/0.80	0.3	1.4	36.7
0.75	1/0.97	0.26	1.5	24.7
1.13	1/1.20	0.3	1.8	16.5

Note: Other specifications of wires could be customized according to your requirements.

250℃ AF250 SILVER/NICKEL PLATED COPPER PFA INSULATED WIRE

APPLICATION

Suitable for heating appliances, PTC thermistors, temperature sensors, coating equipment, automotive internal wiring, electronic appliances, etc.

Technical data

Conductor: silver plated copper or nickel plated copper
Insulation: PFA Teflon
Temperature Range: -80C~250℃
Rated Voltage:600V

bsi ISO 14001 Environmental Management CERTIFIED
bsi ISO 45001 Occupational Health and Safety Management CERTIFIED
bsi IATF 16949 Automotive Quality Management CERTIFIED

Nominal section (mm2)	Number/strand Diameter(mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.035	7 × 0.08	0.2	0.6	525
0.05	7 × 0.10	0.2	0.7	330
0.08	7 × 0.12	0.22	0.8	227
0.12	7 × 0.15	0.25	0.95	150
0.14	7 × 0.16	0.17	0.82	126
0.2	7 × 0.20	0.3	1.2	83.5

Nominal section (mm2)	Number/strand Diameter(mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.35	19 × 0.16	0.3	1.4	49.5
0.5	19 × 0.18	0.3	1.6	36
0.75	19 × 0.23	0.35	1.85	22.7
	1 × 0.97	0.26	1.49	22.7
1	19 × 0.26	0.35	2	19
1.2	19 × 0.28	0.35	2.1	15.3
1.5	19 × 0.32	0.4	2.4	11.7
2	19 × 0.37	0.4	2.65	9.45
2.5	19 × 0.41	0.5	3.1	6.86
4	37 × 0.37	0.5	3.6	4.51
6	37 × 0.45	0.5	4.2	3.05
8	133 × 0.28	0.5	5.2	2.16
10	133 × 0.32	0.5	5.8	1.68
16	133 × 0.39	0.6	7	1.13
20	133 × 0.45	0.6	8	0.886
25	196 × 0.40	0.6	8.8	0.734
35	494 × 0.30	0.7	10.4	0.511
50	396 × 0.40	0.8	12.2	0.358
70	551 × 0.40	1	14.6	0.27
95	760 × 0.40	1.2	17.2	0.21

Note: Other specifications of wires could be customized according to your requirements.

250℃ AF250X TINNED COPPER PFA INSULATED WIRE

APPLICATION

Suitable for heating appliances, PTC thermistors, temperature sensors, coating equipment, automotive internal wiring, electronic appliances, etc.

Technical data

Conductor: tinned copper

Insulation: PFA Teflon

Temperature Range: -65C~250℃

Rated Voltage:600V

Nominal section (mm2)	Number/strand Diameter(mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.035	7 × 0.08	0.2	0.6	525
0.05	7 × 0.10	0.2	0.7	330
0.08	7 × 0.12	0.22	0.8	227
0.12	7 × 0.15	0.25	0.95	150
0.14	7 × 0.16	0.17	0.82	126
0.2	7 × 0.20	0.3	1.2	83.5
0.35	19 × 0.16	0.3	1.4	49.5

Nominal section (mm2)	Number/strand Diameter(mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.5	19 × 0.18	0.3	1.6	36
0.75	1 × 0.97	0.26	1.49	22.7
1	19 × 0.26	0.35	2	19
1.2	19 × 0.28	0.35	2.1	15.3
1.5	19 × 0.32	0.4	2.4	11.7
2	19 × 0.37	0.4	2.65	9.45
2.5	19 × 0.41	0.5	3.1	6.86
4	37 × 0.37	0.5	3.6	4.51
6	37 × 0.45	0.5	4.2	3.05
8	133 × 0.28	0.5	5.2	2.16
10	133 × 0.32	0.5	5.8	1.68
16	133 × 0.39	0.6	7	1.13
20	133 × 0.45	0.6	8	0.886
25	196 × 0.40	0.6	8.8	0.795
35	494 × 0.30	0.7	10.4	0.571
50	396 × 0.40	0.8	12.2	0.398

Note: Other specifications of wires could be customized according to your requirements.

250℃ AFR250 SILVER PLATED COPPER PTFE TAPE INSULATED WIRE

APPLICATION

Suitable for petroleum instruments, motors, automotive connecting wires, and outdoor lighting. PTC thermistors, electric heating components, etc

Technical data

Conductor: silver plated copper

Insulation: PTFE Teflon tape

Temperature Range: -60C~250℃

Rated Voltage: 125V/200V/300V

Nominal section mm2 (mm2)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.035	7/0.08	0.15	0.52	525
0.07	14/0.08	0.15	0.62	245
0.1	21/0.08	0.15	0.7	227
0.15	30/0.08	0.15	0.8	150
0.2	42/0.08	0.15	0.95	83.5
0.35	75/0.08	0.15	1.12	49.5
0.5	105/0.08	0.15	1.25	36

Nominal section mm2 (mm2)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.75	150/0.08	0.15	1.5	22.7
1	200/0.08	0.2	1.7	19

Note: Other specifications of wires could be customized according to your requirements.

250℃ AFT250 SILVER/NICKEL PLATED COPPER PTFE INSULATED WIRE

APPLICATION

Suitable for petroleum instruments, motors, automotive connecting wires, and outdoor lighting. PTC thermistors, electric heating components, etc

Technical data

Conductor: silver plated copper, nickel plated copper or pure nickel

Insulation: PTFE Teflon

Temperature Range: -80C~250℃

Rated Voltage:600V

Nominal section mm2 (mm2)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.05	1 × 0.25	0.2	0.65	376.29
0.07	1 × 0.30	0.2	0.7	245
0.12	1 × 0.40	0.225	0.85	144.1
0.16	1 × 0.45	0.25	0.95	126
0.2	1 × 0.50	0.3	1.1	83.5
0.08	7 × 0.12	0.25	0.86	227

Nominal section mm2 (mm2)	Number/strand Diameter (mm)	Insulation thickness (mm)	Nominal outer diameter (mm)	20 ℃ Maximum conductor resistance (Ω/km)
0.15	7 × 0.16	0.25	0.98	126
0.2	7 × 0.20	0.25	1.1	83.5
0.35	19 × 0.16	0.3	1.4	49.5
0.5	19 × 0.18	0.35	1.6	36.7
0.75	19 × 0.23	0.35	1.85	22.7
1	19 × 0.26	0.35	2	19
1.2	19 × 0.28	0.4	2.2	15.3
1.5	19 × 0.32	0.4	2.4	11.7
2	19 × 0.37	0.45	2.75	9.45
2.5	19 × 0.41	0.55	3.15	6.86
4	37 × 0.37	0.5	3.58	4.51
6	37 × 0.45	0.5	4.15	3.05

Note: Other specifications of wires could be customized according to your requirements.

150℃ ETFE INSULATED WIRE

APPLICATION

Suitable for household appliances, lighting fixtures (cold light sources), small motors, temperature sensors, electromagnetic coils, automotive internal wiring, electronic appliances, etc

Technical data

Conductor: silver plated copper, nickel plated copper or tinned copper
Insulation: ETFE Teflon
Temperature Range: -60C~150℃
Rated Voltage: 600V

bsi ISO 14001 Environmental Management CERTIFIED
bsi ISO 45001 Occupational Health and Safety Management CERTIFIED
bsi IATF 16949 Automotive Quality Management CERTIFIED

Nominal Cross-Section (mm2)	Strand No./Max. Diameter (N/mm)	Nominal Insulation Thickness (mm)	Max. Overall Diameter (mm)	Max. Conductor Resistance (20℃ Ω/km)
0.13	7/0.16	0.25	1.05	136
0.14	7/0.16	0.25	1.05	136
0.22	7/0.21	0.25	1.20	84.8
0.35	7/0.27	0.25	1.30	54.4
0.50	19/0.19	0.28	1.60	37.1
0.75	19/0.24	0.30	1.90	24.7
1.00	19/0.27	0.30	2.10	18.5
1.50	19/0.33	0.30	2.40	12.7
2.50	37/0.28	0.35	3.00	7.60

Note: Other specifications of wires could be customized according to your requirements.