

JASO Heat Resistant Wires - Heat Resistant and Extra Thin Wall Insulated



■ Application

High heat-resistant and low-tension wires with extra thin wall insulation for automobiles, motorcycles and other motor vehicles.

JASO D 611-94 compliant.

■ Material and Standard

Conductor : Soft-annealed copper wires in compliance with JIS C 3102.

Insulation : Vinyl (PVC) insulated. In compliance with JASO D 611-94 and RoHS Directive.

■ Temperature

100°C

Nominal Cross Section	Conductor				Insulation Standard Thickness	Overall Diameter	
	No. of Strands	Diameter of Strand	Outer Diameter	Electric Resistance at 20°C		Standard	Maximum
mm ²		mm	mm	mΩ/m	mm	mm	mm
0.3	7	0.26	0.8	50.2	0.30	1.4	1.5
0.5	7	0.32	1.0	32.7	0.30	1.6	1.7
0.85	19	0.24	1.2	21.7	0.30	1.8	1.9
1.25	19	0.29	1.5	14.9	0.30	2.1	2.2
0.3f	19	0.16	0.8	48.8	0.30	1.4	1.5
0.5f	19	0.19	1.0	34.6	0.30	1.6	1.7
0.75f	19	0.23	1.2	23.6	0.30	1.8	1.9
1.25f	37	0.21	1.5	14.6	0.30	2.1	2.2
2f	37	0.26	1.8	9.5	0.40	2.6	2.7

General Testing:

Testing	Inspection specification
Dielectric Strength-Sparkle	5 kv/0.15sec.
Dielectric Strength-Immerse water	1 kv/minute.
Insulator Elongation	125% (min)
Insulator Tensile Strength	1.57 Kg/mm ² (min)
Aging in Heat Test	120°C/120hr. And bending in 1000V/1min
Low temperature Resistance	-40°C/3hr. And 1 kv/min.
Oil Resistance	50°C/20hr. And bending in 1 kv/min.
Flame Resistance	shall be naturally extinct within 15 seconds