

Automobile Wire - PSA - STE 9609503299(B)



Wire Tests and certification :



TEST	S.T.E. CHAP.	TEST	S.T.E. CHAP.
Temperature class	6.1	Breaking elongation after ageing	11.4
Conductor material	8.2	Cold winding	11.6
Insulation material	8.3	Cold impact	11.7
Insulation color	5.5.1	Abrasion by scraping	11.8
Wire diameter	10	Single-conductor abrasion	11.9
Wire inside diameter	10	Pressure at high temperatures	11.1
Number of conductor wires	10	Insulation hardness	11.12
Diameter of a conductor wire	10	Dielectric strength	12.2
Structure type	8.2	Breakdown voltage	12.3
Wire diameter	10	Short-circuit test	12.4
Insulation thickness	9.4	Linear electrical resistance	12.5
Flexibility	11.1	Accelerated AGEING	13.1
Insulation adherence to core	11.3	Loss of mass	13.2
Stripping force	11.5	Resistance in variable atmosphere	13.3
Resistance to traction when new	11.4	Resistance to flame	13.4
Resistance to traction after ageing	11.4	Behaviour with chemicals	13.5
Breaking elongation when new	11.4	Resistance to crushing	14.1

Table of Wires acc to STE 9609503299 (B) - For all temperature class T1 , T2 , T3 , ...

Cross section of Wire	Conductor					Insulation					
	Diameter of Conductor Wires	Number of Conductor wires	R max at 20 °C (Ohms / kM)	Max Lay Length of Cond.	Min Cond Dia	Nominal Cond Dia	Max Cond Dia	Min. thickness	Min outside Dia.	Nominal outside Dia.	Max outside Dia.
					(mm)	(mm)	(mm)				
0.35	0.25	7	55.9	25D	0.73	0.75	0.77	0.22	1.28	1.34	1.4
0.6	0.25	12	33	25D	0.98	1	1.02	0.28	1.76	1.83	1.9
1	0.25	19	19.5	25D	1.2	1.25	1.3	0.3	1.99	2.07	2.15
1.4	0.25	27	13.9	25D	1.35	1.5	1.65	0.32	2.25	2.32	2.4
2	0.25	37	10	25D	1.68	1.75	1.82	0.36	2.62	2.7	2.8
3	0.3	45	6.06	25D	2.2	2.3	2.4	0.4	3.25	3.35	3.45
4	0.3	56	4.95	25D	2.55	2.7	2.85	0.4	3.7	3.8	3.9
5	0.3	70	3.94	25D	2.65	2.8	2.95	0.4	3.8	3.9	4
7	0.3	105	2.72	25D	3.2	3.4	3.6	0.48	4.76	4.9	5
10	0.3	144	1.91	25D	3.9	4.1	4.3	0.48	5.75	5.9	6
16	0.4	126	1.21	25D	4.9	5.1	5.3	0.52	6.75	6.9	7
20	0.4	150	0.99	25D	5.4	5.6	5.8	0.52	7.25	7.4	7.5
25	0.4	192	0.78	25D	6.25	6.45	6.65	0.52	7.95	8.1	8.2
40	0.5	189	0.493	25D	8.6	8.8	9	0.64	10.6	10.8	11