



**SM (CABLES)**  
**L I M I T E D**



## Single core cables for road vehicles

### Construction

1. Conductor : Soft annealed copper to ASTM B3  
2. Insulation : Special PVC

60V dc special PVC Insulated cables with resistant to abrasion and to chemicals

### Application

Specially designed for use in road vehicle applications where the nominal voltage is equal to or less than (60 V d.c. or 25 V a.c.)

### Technical Data

Temperature Class: C (- 40°C to 125°C)  
Resistant to abrasion, flame propagation  
resistant & resistant to chemicals

### Standards

ISO 6722, DIN 72551,  
ASTM B3  
Flame Retardant Cable  
Resistant to fuels,  
engine oils.

### Marking

SM CABLES automotive cable to ISO 6722 ### mm<sup>2</sup>

Characteristics and dimensions											
Conductor			Insulation (Thick wall)			Insulation (Thin wall)			Insulation (Ultra Thin wall)		
Size	Diameter	Resistance	Insulation thickness		Diameter	Insulation thickness		Diameter	Insulation thickness		Diameter
mm <sup>2</sup>	mm	Ω/Km @ 20 °C	mm	mm	mm	mm	mm	mm	mm	mm	mm
	max.	max.	nominal	min.	max.	nominal	min.	max.	nominal	min.	max.
0.35	0.90	54.4	-	-	-	0.25	0.20	1.40	0.20	0.16	1.20
0.5	1.10	37.1	0.60	0.48	2.30	0.28	0.22	1.60	0.20	0.16	1.40
0.75	1.30	24.7	0.60	0.48	2.50	0.30	0.24	1.90	0.20	0.16	1.60
1	1.50	18.5	0.60	0.48	2.70	0.30	0.24	2.10	0.20	0.16	1.75
1.5	1.80	12.7	0.60	0.48	3.00	0.30	0.24	2.40	0.20	0.16	2.10
2	2.00	9.42	0.60	0.48	3.30	0.35	0.28	2.80	0.25	0.20	2.40
2.5	2.20	7.60	0.70	0.56	3.60	0.35	0.28	3.00	0.25	0.20	2.70
3	2.40	6.15	0.70	0.56	4.10	0.40	0.32	3.40	-	-	-
4	2.80	4.71	0.80	0.64	4.40	0.40	0.32	3.70	-	-	-
5	3.10	3.94	0.80	0.64	4.90	0.40	0.32	4.20	-	-	-
6	3.40	3.14	0.80	0.64	5.00	0.40	0.32	4.30	-	-	-
10	4.50	1.82	1.00	0.80	6.50	0.60	0.48	6.00	-	-	-
16	6.30	1.16	1.00	0.80	8.30	0.65	0.52	7.90	-	-	-
25	7.80	0.743	1.30	1.04	10.40	0.65	0.52	9.40	-	-	-
35	9.00	0.527	1.30	1.04	11.60	-	-	-	-	-	-
50	10.50	0.368	1.50	1.20	13.50	-	-	-	-	-	-
70	12.50	0.259	1.50	1.20	15.50	-	-	-	-	-	-

Product also available in a higher grade insulation material which is resistant to other chemicals indicated in ISO 6722.

