

**DESIGNATION**

Car cables (S) with multi-stranded, low voltage copper conductors (L) with PVC insulation (Y) and PVC sheath (Y) for use in moderate climate. Cables are subject to low voltage directive 73/23/EEG.

STRUCTURE

- **conductors** – multi-stranded copper line class 5 per PN-88/E-90160.
- **insulation** – PVC.
- **colors of conductors** – 1 natural, 2 yellow, 3 brown, 4 green, 5 blue, 6 black, 7 white.
- **sheath** – PVC.
- **colors of sheath** – black or as agreed with customer.

PACKAGING

Normally cables are delivered in reels up to 300 mm or 600 mm in diameter, wrapped with heat-shrinkable foil.

BENDING RADIUS

Minimum bending radius $4d$, where d is outer diameter of cable.

TEMPERATURE

Cables are weatherproof for use in temperature -40°C to 70°C . Maximum permissible long-lasting temperature of live conductor shall not exceed 70°C . Ambient stacking temperature shall not exceed 40°C , with sun exposure 60°C .

STANDARD

Cables are manufactured in compliance with WT/SI-M/16/01:2001. Tests are performed in compliance with WT/SI-M/16/01:2001, PN-74/E-90180:01.1975.

APPLICATIONS

Cables for low voltage connections up to 50V in car trailers. Cables suitable also for electric armoring installation of tow hook in road vehicles.

- **Cables are not suitable for connections in equipment over 50V**, as self-supporting elements, nonresistant to chemical substances, motor oils and car fuels for installation in walls and direct burial.
- **Incorrect use or application of mechanically damaged cables** can cause electric shock, fire, disability or death.

CABLE PROPERTIES

Cable structure	Maximum diameter of strands in conductor	Minimum insulation wall thickness	Sheath rated thickness	Maximum cable outer diameter	Conductor resistance at 20°C	Cable length in reel	Approximate weight of 1 km of cable
[n × mm ²]	[mm]	[mm]	[mm]	[mm]	max. [Ω/km]	[m]	[kg]
2 × 0.5	0.21	0.31	0.6	6.0	39.0	240 ¹⁾	
3 × 0.5	0.21	0.31	0.6	6.3	39.0	210 ¹⁾	40.4
4 × 0.5	0.21	0.31	0.6	6.6	39.0	190 ¹⁾	47.0
5 × 0.5	0.21	0.31	0.6	7.5	39.0	145 ¹⁾	57.7
6 × 0.5	0.21	0.31	0.6	7.8	39.0	140 ¹⁾	70.3
7 × 0.5	0.21	0.31	0.6	7.8	39.0	140 ¹⁾	73.2
2 × 0.75	0.21	0.4	0.6	6.5	26.0	190 ¹⁾	
3 × 0.75	0.21	0.4	0.6	6.9	26.0	165 ¹⁾	
4 × 0.75	0.21	0.4	0.6	7.2	26.0	160 ¹⁾	55.0
5 × 0.75	0.21	0.4	0.6	8.2	26.0	120 ¹⁾	
6 × 0.75	0.21	0.4	0.6	8.5	26.0	115 ¹⁾	
7 × 0.75	0.21	0.4	0.6	8.5	26.0	115 ¹⁾	101.5
2 × 1.0	0.21	0.4	0.8	7.7	19.5	140 ¹⁾	
3 × 1.0	0.21	0.4	0.8	8.3	19.5	120 ¹⁾	
4 × 1.0	0.21	0.4	0.8	9.0	19.5	100 ¹⁾	
5 × 1.0	0.21	0.4	0.8	11.0	19.5	190 ²⁾	
6 × 1.0	0.21	0.4	0.8	11.2	19.5	185 ²⁾	
7 × 1.0	0.21	0.4	0.8	11.2	19.5	185 ²⁾	
7 × 1.5	0.21	0.4	0.8	11.8	13.3	170 ²⁾	
6 × 0.6 + 1 × 1	0.21 + 0.21	0.4	0.8	11.4	33.0 + 19.5	185 ²⁾	109.0
6 × 1 + 1 × 1.5	0.21 + 0.26	0.4	0.8	12.3	19.5 + 13.3	150 ²⁾	163.9
6 × 1.5 + 1 × 2.5	0.26 + 0.26	0.4	1.0	13.4	13.3 + 7.98	135 ²⁾	

1) Outer diameter of reels 400 mm.

2) Outer diameter of reels 600 mm.