

# Automotive cables FL11YC11Y

260

Screened single core automotive cable for 1000V

- Low temperature strike resistance
- resistance to UV radiation, salt water

### Application

Special cable for Hybrid- and Electrical Vehicles

### Electrical data

- Nominal voltage: U<sub>0</sub>/U 600 / 1000 V
- Test voltage: 3500 V / 50 Hz / 5 minutes

### Construction

- Conductor: Cu-ETP1, according LV112 and ISO 6722
- Insulation: TPU, features according LV 112 and ISO 6722, class D
- Shielding: Cu-ETP1, tin plated ALU-PET foil, metall side in contact to screen
- Fleece (depending on cross section)
- Outer sheath: Polyurethan (TPU), features according LV 112 and ISO 6722, class D

### Temperature range

- -40°C ... +150°C / 3000h, class D acc. ISO 6722

### Standards

ISO 6722 Road vehicles  
 LV 112 / LV 216  
 IEC 60332-1-2 Flame retardant  
 IEC 60754-1 Halogen free  
 IEC 60754-2 No corrosive gases

### Jacket colour

Orange similar to RAL 2003

### Description

- Min. bending radius 6 x D (D = cable-Ø)
- halogen-free
- flame retardant
- friction resistant

### Remarks

Special labelling of outer sheath on request  
 Other types on request  
 D = total Ø  
 d1 = Ø above the braid  
 d2 = Ø under the braid



### Technical data

Cross-section mm <sup>2</sup>	Part no.	New Part no.	Conductor code	Ø d2 approx. mm	Ø d1 approx. mm	Ø D mm	Copper index kg/km	Weight kg/km
1X10			L	5.7	6.5	8.6 ± 0.3	115.2	154
1X16	533007	833007	L	7.0	7.8	10.2 ± 0.3	178.0	260
1X25	533008	833008	L	8.8	9.6	12.2 ± 0.3	268.5	379
1X35	533003	833003	L	9.6	10.4	13.4 ± 0.3	379.4	460
1X50	533004	833004	L	11.5	12.3	14.7 ± 0.3	534.2	610
1X70	533005	833005	L	13.7	14.5	18.7 ± 0.3	737.2	880
1X95	533006	833006	L	17.2	18.2	22.5 ± 0.3	998.0	1200
1X120			L	18.2	19.0	22.2 ± 0.4	1259.5	
1X150			L	20.9	21.7	25.1 ± 0.4	1563.1	
1X185			L	23.5	24.5	28.3 ± 0.4	1914.5	
1X240			L	26.0	26.8	30.8 ± 0.4	2456.6	
1X300			L	29.4	30.2	35.2 ± 0.4	3081.6	

