

Automotive cables FL11YC11Y

261

Screened multi core automotive cable for 1000V

Application

Special cable for Hybrid- and Electrical Vehicles

Construction

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

Jacket colour

Orange similar to RAL 2003

Description

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

- resistance to UV radation, salt water
- friction resistant
- Low temperature strike resistance

Electrical data

- Nominal voltage: U_o/U 600 / 1000 V
- Test voltage: 3500 V / 50 Hz / 5 minutes

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

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 ²	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
2X2.5	533009	833009	2Lnum	7.0	7.6	9.6 ± 0.3	84.7	214
3X2.5	533014	833014	3Lnum	10.5	11.1	13.5 ± 0.3	108.7	250
4X2.5	533011	833011	3LnumN	10.5	11.1	13.5 ± 0.3	120.4	208
2X4	533010	833010	2Lnum	8.4	9.0	11.0 ± 0.3	113.5	250
4X4			4Lnum					
2x10	533019	833019	2Lnum	12.0	12.6	14.6 ± 0.3		
3X10	533000	833000	3Lnum	15.3	16.1	18.5 ± 0.3	337.0	500