

**UNITRONIC® SENSOR FD Li9Y11Y 4x0,25****DB7038884**

valid from: 03.12.2012

**Application**

Sensor cable for applications in power chains.

Approvals: Insulation AWM-style 10493 and jacket AWM-style 20549 (80 °C, 300 V)

**Design**

Conductor	bare copper, fine-wire stranded (32 x ca. 0.1 mm), ca. 0.25 mm <sup>2</sup>
Insulation	PP, ca. 1.2 mm outer Ø
Core identification code	brown, white, blue, black
Stranding	cores stranded together, tinned
Outer sheath	PUR, black similar to RAL 9005, matt, outer Ø: ca. 4.5 mm

**Electrical properties at 20° C**

Resistance	max. 79 Ω/km
Specific volume resistivity	7*10 <sup>15</sup> Ωxcm
Operating peak voltage	300 V (not for power purposes)
Test voltage	core (spark test): 3000 V

**Mechanical and thermal properties**

Minimum bending radius	moved: 10 x cable Ø fixed installation: 5 x cable Ø
Permissible temperature range	moved: -25° C up to +80° C fixed installation: -40° C up to +80° C
Application in power chain (max. +60 °C)	≥ 4 Mio. bending cycles (min. 10 x cable Ø, max. 3 m/s, 10 m length, max. 10 m/s <sup>2</sup> )
Halogen free	halogen free acc. to VDE 0472-815
Flame propagation	flame retardant acc. to UL 1581 FT-2
General requirements	Dangerous and forbidden substances acc. to RoHS directive (2002/95/EG) are not allowed to the manufacturing.