



DATA SHEET

0040434

UNITRONIC[®] SENSOR DESINA[®]

Valid from:
19.08.2009

Application

Combination cables to connect sensor / actor distribution boxes.
Data transmission cables to connect M8, M12 connectors.

Design

Conductor	Stranded bare copper conductor, superfine (42x0,10mm). In accordance with VDE 0295 Class 6, special PVC insulation. FCKW-, cadmium-, lead-free, ROHS conform. Colour coding in accordance with DESINA [®] (brown, white, blue, black).
Stranding	Cores twisted in layers.
Outer sheath	Special PUR based compound, resistant against microbes and hydrolysis, halogen-, FCKW-, cadmium-, lead-free compound, ROHS conform. flame retardant acc. to IEC 60332-1-2. colour yellow in acc. to RAL 1021.
Marking	LAPP KABEL STUTTGART UNITRONIC SENSOR P 4x0,34 mm ² DESINA ROHS
Outer diameter	D= 5,20 mm ± 0,15mm

Electrical data at 20 °C

Operating voltage	48	V
Test voltage (core/core)	2500	V
Conductor resistance (VDE 0295 or IEC 228)	max. 57	Ω/km
Specific insulation resistance	max. 20	GΩ/km

Mechanical and thermal properties

Flame propagation		Flame retardant acc. to IEC 60332-1-2
Minimum bending radius	moved static	8 x Ø 15 x Ø
Temperature range	moved Static	-10° to +80 °C -30° to +80 °C