LAPP GROUP	**DATA SHEET**	00328XX
	UNITRONIC® PUR CP (TP)	valid from : 24.06.2008

Application

UNITRONIC® PUR CP (TP) is a flexible, screened data cable with an outer sheath from PUR. The twisted pair construction permits largely interference-free operation (decoupling). The cable is suitable for fixed installation and flexible use, but not for highly flexible applications in power chains or permanently moved machines. The screen braiding protects against electrical interference. It may be used in dry, damp and wet rooms, also outdoor. This data and signal cable is used in computer systems, electronic control and office equipment.
The outer sheath of Polyurethane is resistant to a multitude of oils and chemicals.

Design

Conductor	fine-wire strands of bare copper wire; 0.14 mm² to 1.5 mm² , 7-wired for 0.34 mm²
Insulation	PVC compound
Coding	to DIN 47100
Stranding	conductors twisted to pairs, pairs twisted in layers, wrapping by plastic foil
Screening	braid of tinned copper, coverage approx. 85 %
Sheath	PUR compound, grey (RAL 7032)

Technical Data

Conductor resistance		0,14 mm²	max. 148 Ω/km
		0,25 mm²	max. 79,9 Ω/km
		0,34 mm²	max. 57,5 Ω/km
		0,5 mm²	acc. to VDE 0295, Klasse 5
		0,75 mm²	acc. to VDE 0295, Klasse 5
Specific insulation resistance			>20 GΩ x cm
Mutual capacitance	at 800 Hz	core/core	ca. 120 nF/km
		core/screen	ca. 160 nF/km
Inductance			ca. 0,65 mH/km
Operating Voltage (not for power purposes)			250 V
Test voltage	0,14 mm^2	U_{eff}	1200 V
	≥ 0,25 mm^2	U_{eff}	1500 V
Flame propagation	flame retardant to IEC 60 332-1		
Minimum bending radius	static		6 x Ø cable
	moved		15 x Ø cable
Temperature range	static		-5 bis +70 °C
	moved		-30 bis +80 °C

Design and electrical characteristics similar to Standard VDE 0812

RoHS directive This cabel confirms to RoHS directive (2002/95/EG)