



DATA SHEET	0034230
UNITRONIC® LIFYCY (TP)	valid from : 14.03.2003

Application

For many purposes within miniaturised electronic and optoelectronic devices, increased protection against high frequency interference, by means of a screened, extra fine wire electronic cable, is required. The additional twisting of conductors into pairs reduces the effect of crosstalk. Typical applications are microelectronics, acoustic aids, telecommunications transmissions, etc.

Design

Conductor	superfine strands of plain copper wires 0.08 mm ² (41x0.05)
Insulation	PVC, Y12 according to VDE 0207, core diameter nom. 0.8 mm
Colour coding	according to DIN 47100
Stranding	cores twisted to pairs, pairs twisted in layers to the cable core
Wrapping	one layer plastic foil
Overall screening	tinned copper braiding
Sheath	PCV, flame retardant, grey (RAL 7032)

Marking on the sheath:

LAPP KABEL STUTTGART **UNITRONIC® LIFYCY (TP)**

Electrical properties at 20° C

DC resistance (loop)		max.Ω/km	486
Specific insulation resistance		min. GΩxcm	20
Mutual capacitance at	800 Hz	nom. nF/km	80
Inductance		nom.mH/km	0.65
Capacitance unbalance	800 Hz	nom. pF/100m	300
Operating voltage (not for power purposes)		peak value V	150
Test voltage	core/core	U _{rms} V	800
	core/screen	U _{rms} V	500

Mechanical and thermal properties

Minimum bending radius		cable diameter x	7.5
Permissible temperature range	static	°C	-30 to + 70
	moved	°C	-5 to + 50
Flame propagation	flame retardant acc. to VDE 0482, part 265-2-1 / IEC 60 332-1		

General properties

All materials used and during manufacturing have to be **free of LBS** (e.g. silicone).
LBS = substances destructive to lacquer-coatings.

elaborated by: TE-K: N. Ensslen	Document: DB0034230EN	page 1 of 1
------------------------------------	-----------------------	-------------