

# LUTZE-SUPERFLEX<sup>®</sup> PLUS (C)PUR KOMBI UL 0.6/1 kV Desina



– halogen-free –

Super flexible servo drive cable with PUR jacket and copper shield with **orange** outer jacket.

<b>Identification</b>	Type Part-No.	(4 x 10,0 + (2 x 1,5)) 111424
<b>Use/Application</b>	Use	Suitable as servo drive cable for continuous flexing cycles in cable tracks. The polyurethane jacket (PUR) is extremely abrasion-resistant, adhesion-free and resistant to mineral oils and greases as well as many chemical substances.
	Application	Rough operating conditions with robots, handling equipment, machine tools, machine and plant construction, transport and conveying technology, cable tracks.  Developed for drives with 1 control pair such as Siemens.
<b>Structure</b>	Cable construction	(4 x 10,0 + (2 x 1,5))
	Wire conductor structure	E copper uninsulated, superfine strand compliant with VDE 0295 class 6, IEC 60228 class 6
	Gauge	10 mm <sup>2</sup>
	Control pair	Laminated aluminium foil and copper shield with banding
	Conductor insulation	TPE

11.03.2005 – Subject to technical modification

Part-No. 111424

## LUTZE INC.

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**Systematic Technology**

	Conductor insulation	BR 1, BR 2  U, V, W + gnye
	Conductor marking	Supply conductor: bk with wh printing, U, V, W + gnye Control conductor: bk with wh printing, BR1, BR2, or bk + wh
	Ground conductor	green/yellow compliant with VDE 0293
	Twisted pair	No
	Stranding	layer-twisted
	Banding	Fleece banding over the stranded cable
	Overall shield	Braiding made of tin-plated copper wires, optical covering approx. 85%.
	Outer jacket	Special mixture based on PUR
	Jacket colour	Orange, RAL 2003
	Outer $\varnothing$	19,2 ca. mm
<b>Technical Data</b>	Test voltage of supply cable	2500/3000 V
	Test voltage of signal cable	500 V
	Voltage of supply cable	300/500 V to 600/1000 V
	Voltage of signal cable	250 V
	Isolation resistance	min. 20 M $\Omega$ $\times$ km
	Temperature range moving	-25 – 80 °C
	Temperature range fixed	-40 – 80 °C
	Bending radius	Cable diameter $\times$ 12
<b>General Data</b>	Standards	VDE 0472-815, IEC 754-1
	Halogen-free	VDE 0472-815, IEC 754-1
	Burning behaviour	compliant with VDE 0472 part 804 inspection type B, IEC 332-1
	Weight	68,0 kg/100 m
	Packaging	50 m, 100 m rings, reels
	Stability	to mineral oils and greases and many chemical substances

#### Certification



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