

LUTZE-SUPERFLEX[®] PLUS (C)PUR KOMBI UL Desina



- halogen-free -

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

Identification	Type Part-No.	(4x4+2x(2x1,0)StC) 111273
Use/Application	Use	Suitable as servo drive cable for continuous flexing cycles in cable tracks. The polyurethane outer jacket (PUR) is extremely abrasion-resistant, adhesion-free and resistant to mineral oils and greases.
	Application	Rough operating conditions with robots, handling equipment, machine tools, machine and plant construction, transport and conveying technology, cable tracks. Developed for drives with 2 control pairs, e.g. Indramat.
Structure	Cable construction	(4 × 4,0 + 2 × (2 × 1,0)StC)
	Wire conductor structure	E copper uninsulated, superfine strand compliant with VDE 0295 class 6, IEC 60228 class 6
	Gauge	4 mm ²
	Control pair	Laminated aluminium foil and copper shield with banding
	Conductor insulation	Supply conductors: PVC control conductors: TPE

11.03.2005 – Subject to technical modification

Part-No. 111273

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Systematic Technology

	Conductor insulation	TPE black with white printed numbering 5 - 8 PVC black with white printed numbering, 1 - 3 + gnye
	Conductor marking	Supply conductors: bk with wh printed numbering, 1-3 + gnye control conductors: bk with wh printed numbering, 5-8 green/yellow compliant with VDE 0293
	Ground conductor	No
	Twisted pair	No
	Stranding	layer-twisted
	Banding	Fleece banding over the stranded cable
	Inner jacket	PVC, fleece
	Overall shield	Braiding made of tin-plated copper wires, optical covering approx. 85%.
	Outer jacket	Special mixture based on PUR, adhesion-free, based on VDE 0250 part 818
	Jacket colour	Orange, RAL 2003
	Outer \varnothing	15,6 ca. mm
Technical Data	Rated Voltage	600 V
	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 Ω \times km
	Temperature range moving	-25 – 80 $^{\circ}$ C
	Temperature range fixed	-40 – 80 $^{\circ}$ C
	Bending radius	Cable diameter \times 12
General Data	Standards	manufactured based on VDE 0207, 0250, 0472 as well as cUL appr. 20234, 20235, 20236, 20549, 20590, 20910
	Halogen-free	No
	Burning behaviour	compliant with VDE 0472 part 804 inspection type B, IEC 332-1
	Weight	41,1 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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