

readycable® power cable suitable for Fanuc

LX660-8077-T274, basic cable iguPUR 15xd

MAT9560921



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- For flexing applications
- iguPUR outer jacket
- Overall shield
- Flame retardant
- Silicone-free
- UV resistance: medium
- Oil-resistant (according to DIN EN 50363-10-2)
- Guarantee up to 4 years

Product description

Introducing the readycable® power cable, designed for the Fanuc LX660-8077-T274. This versatile cable features an iguPUR outer jacket, making it ideal for flexing applications with oil influence. It is suitable for both indoor and outdoor use (excluding direct sunlight) and supports unsupported travels up to 10m. With flame retardant properties, medium UV resistance, and oil resistance, this cable is perfect for processing and machine tools, even in low-temperature environments.

Manufacturer attributes

Manufacturer Part No	LX660-8077-T274
Cable type	Basic cable

Connectors

Connector A	val_277
Connector B	Round connector, socket, straight, 4-pin

General properties

Number of cores and conductor nominal cross-section	(4G10)C
Outer diameter (d) max. mm	18.5 mm
Weight per km	653 kg/km
Copper index kg/km	458 kg/km

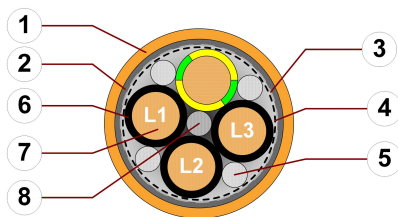


Electricity attributes

	Nominal voltage	600/1,000V (according to DIN VDE 0298-3)
	UL Voltage Rating	1000 V
	Test voltage	4000V (according to DIN EN 50395)

Cable structure

	Conductor	Conductor consisting of bare copper wires (according to DIN EN 60228).
	Core insulation	Mechanically high-quality, especially low-capacitance TPE mixture.
	Core stranding	Cores wound with an optimised pitch length.
	Conductor colours	cores black with white numbers, one core green-yellow. 1st core: U / L1 / C / L+ 2nd core: V / L2 3rd core: W / L3 / D / L- (4G10)C
	Core group 1 core structure	
	Overall shield	Braiding made of tinned copper wires. Cover approx. 60% optical.
	Outer jacket	Low-adhesion iguPUR mixture, adapted to suit the requirements in e-chains®.
	Outer jacket colour	Pastel orange (comparable to RAL 2003)



1. Outer jacket: pressure extruded iguPUR mixture
2. Overall shield: braiding made of tinned copper wires
3. Shield film: aluminium-coated plastic foil
4. Banding: plastic foil
5. Filler: plastic yarns
6. Core insulation: mechanically high-quality, especially low-capacity TPE mixture
7. Conductor: strands consisting of bare copper wires
8. Strain relief: plastic core element



Properties and approvals

	UV resistance	Medium
	Oil resistance	Oil-resistant (according to DIN EN 50363-10-2), Class 3
	Flame-retardant	According to IEC 60332-1-2, Cable Flame, VW-1, FT1, FT2/Horizontal Flame
	Silicone-free	Free from silicone which can affect paint adhesion (according to PV 3.10.7 – status 1992)
	UL verified	Certificate no. V293650: "The igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year"
	UL/CSA AWM	Style 10492 and 20940, 1000 V, 80 °C
	NFPA	According to NFPA 79-2018, chapter 12.9
	REACH	In accordance with Regulation (EC) No. 1907/2006 (REACH)
	Lead-free	According to 2011/65/EU (RoHS-II/RoHS-III)
	CE	According to 2014/35/EU



Dynamic properties

	Min. bend radius, e-chain (factor)	15 x d
	Min. bend radius, e-chain	277.5 mm
	Min. bend radius, flexible (factor)	12 x d
	Min. bend radius, fixed (factor)	8 x d
	Temperature e-chain®	-40°C up to +80°C
	Temperature, flexible	-5°C up to +80°C
	Temperature, fixed	-50°C to +80°C (according to DIN EN 50305)
	v max. unsupported (speed)	3 m/s
	v max. gliding (speed)	0 m/s
	a max. (acceleration)	20 m/s ²
	travel length	Class 1
	torsion	No torsion



chainflex®Lifetime

Guaranteed service life for this series according to guarantee conditions

Further information: [chainflex® guarantee](#)

Double strokes*	1 million	3 million	5 million
Temperature,	R min.	R min.	R min.
from/to [°C]	[Factor x d]	[Factor x d]	[Factor x d]
-20 / -10	17.5	18.5	19.5
-10 / +70	15	16	17
+70 / +80	17.5	18.5	19.5

* Higher number of double strokes possible - use the service life calculation function on this page.

Certificates and standards

