

readycable® fan cable suitable for Lenze

EYL002VxxxxL02J02, link cable TPE 5xd

MAT9120045



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- For heaviest duty applications
- TPE outer jacket
- Coolant-resistant
- Low-temperature-flexible
- Hydrolysis and microbe-resistant
- Halogen-free
- Silicone-free
- UV-resistant
- PVC-free
- Oil-resistant (following DIN EN 60811-404), resistant to bio oils (following VDMA 24568 with Plantocut 8 S-MB tested by DEA)
- CFRIP®
- Guarantee up to 4 years

Product description

Introducing the readycable® fan cable, designed for the Lenze EYL002VxxxxL02J02. This durable cable is perfect for heavy-duty applications, featuring a TPE outer jacket that is oil, UV, and low-temperature resistant. It offers exceptional flexibility for unsupported travel distances up to 400m, making it ideal for use in storage and retrieval units, machining tools, and outdoor cranes. With its halogen-free and silicone-free properties, this cable ensures safety and reliability in various environments.

Manufacturer attributes

Manufacturer Part No	EYL002VxxxxL02J02
Cable type	Connecting cable

Connectors

Connector A	round plug, socket
Connector B	coupling, pin



General properties

Number of cores and conductor nominal cross-section	5G1.0
Outer diameter (d) max. mm	7.5 mm
Weight per km	84 kg/km
Copper index kg/km	50 kg/km

Electricity attributes

 Nominal voltage	300/500V
UL Voltage Rating	1000 V
 Test voltage	2000V (according to DIN EN 50395)
Maximum conductor resistance at 20°C [$\mu\Omega$/km]	19.5000

Cable structure

 Conductor	Stranded conductor in an especially bend-resistant version consisting of bare copper wires (according to DIN EN 60228).
 Core insulation	Mechanically high-quality TPE mixture.
 Core stranding	Cores wound in a layer with short pitch length.
 Conductor colours	cores black with white numbers, one core green-yellow.
Core group 1 core structure	5G1.0
 Outer jacket	Low-adhesion, extremely abrasion-resistant and highly flexible TPE mixture, adapted to suit the requirements in e-chains®.
 Outer jacket colour	Steel blue (comparable to RAL 5011)
 CFRIP®	Strip cables faster: a tear strip is moulded into the outer jacket



Properties and approvals



UV resistance

High

Oil resistance

Oil-resistant (according to DIN EN 60811-404), bio-oil-resistant (according to VDMA 24568 with Plantocut 8 S-MB tested by DEA), Class 4



Silicone-free

Free from silicone which can affect paint adhesion (according to PV 3.10.7 – status 1992)

Halogen-free

According to DIN EN 60754



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 AWM

Style 11886 and 22351, 1000 V, 90 °C



REACH

In accordance with Regulation (EC) No. 1907/2006 (REACH)



Lead-free

According to 2011/65/EU (RoHS-II/RoHS-III)



Cleanroom

According to ISO Class 1, material/cable tested by IPA according to DIN EN ISO standard 14644-1



CE

According to 2014/35/EU



Dynamic properties

	Min. bend radius, e-chain (factor)	5 x d
	Min. bend radius, e-chain	37.5 mm
	Min. bend radius, flexible (factor)	4 x d
	Min. bend radius, fixed (factor)	3 x d
	Temperature e-chain®	-35°C up to +100°C
	Temperature, flexible	-50°C to +100°C (according to DIN EN 60811-504)
	Temperature, fixed	-55°C to +100°C (according to DIN EN 50305)
	v max. unsupported (speed)	10 m/s
	v max. gliding (speed)	6 m/s
	a max. (acceleration)	100 m/s ²
	travel length	Class 6
	torsion	Torsion ±90°, with 1m cable length, Class 2



chainflex®Lifetime

Guaranteed service life for this series according to guarantee conditions

Further information: [chainflex® guarantee](#)

Double strokes*	5 million	7.5 million	12.5 million
Temperature,	R min.	R min.	R min.
from/to [°C]	[Factor x d]	[Factor x d]	[Factor x d]
-35 / -25	6.8	7.5	8.5
-25 / +90	5	6	7
+90 / +100	6.8	7.5	8.5

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

Certificates and standards

