

readycable® servo cable suitable for Jetter cable

no. 24.1, basic cable, PVC 15xd

MAT9451802



readycable® servo cable suitable for Jetter

no. 24.1, basic cable, PVC 15xd

- For flexing applications
- PVC outer jacket
- Not oil-resistant
- Silicone-free
- Flame retardant
- Overall shield
- Guarantee up to 4 years

Product description

Introducing the readycable® servo cable, designed for flexing applications and perfect for indoor use. With a durable PVC outer jacket, this cable is ideal for unsupported travels up to 10m, making it suitable for industries like wood and stone processing, packaging, and handling devices. It features a flame-retardant design and an overall shield, ensuring safety and reliability in your operations. Choose readycable® for your next project and experience quality you can trust.

Manufacturer attributes

Manufacturer Part No	24.1
Cable type	Basic cable

Connectors

Connector A	open cable end
Connector B	round plug, socket

General properties

Number of cores and conductor nominal cross-section	(4G1.5+(2x1.5)C)C
Outer diameter (d) max. mm	12.5 mm
Weight per km	200 kg/km
Copper index kg/km	124 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)

Properties and approvals



UV resistance

none



Oil resistance

No oil resistance



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 2570, 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	187.5 mm
	Min. bend radius, flexible (factor)	12 x d
	Min. bend radius, fixed (factor)	8 x d
	Temperature e-chain®	+5°C up to +70°C
	Temperature, flexible	-5°C to +70°C (according to DIN EN 60811-504)
	Temperature, fixed	-15°C to +70°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](#)

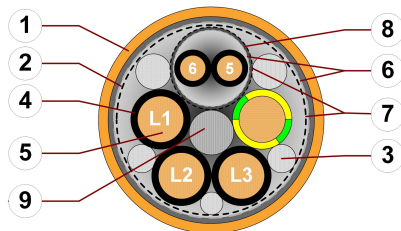
Double strokes*	1 million	3 million	5 million
Temperature,	R min.	R min.	R min.
from/to [°C]	[Factor x d]	[Factor x d]	[Factor x d]
+5 / +15	17.5	18.5	19.5
+15 / +60	15	16	17
+60 / +70	17.5	18.5	19.5

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



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	Power cores and control pair elements wound together in an optimised pitch length.
	Conductor colours	Power cores: 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- 1 control pair: Cores black with white numbers. 1st control wire: 5 2nd control wire: 6
Core group 1 core structure		4G1.5
Core group 2 core structure		(2x1.5)C)C
	Element shield	Foil taping of optimised, flexible foil shield.
	Overall shield	Braiding made of tinned copper wires. Cover approx. 60% optical.
	Outer jacket	Low-adhesion PVC mixture, adapted to suit the requirements in e-chains®.
	Outer jacket colour	Pastel orange (comparable to RAL 2003)



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

Certificates and standards

