

readycable® servo cable, suitable for Wittenstein,
Simco CAB-POW-E-S915-FL, basic cable PUR 10xd

MAT9852804



readycable® servo cable, suitable for
Wittenstein, Simco CAB-POW-E-S915-FL, basic
cable PUR 10xd

- For medium-duty applications
- PUR outer jacket
- Shielded
- Oil-resistant and coolant-resistant
- Notch-resistant
- Flame retardant
- Hydrolysis and microbe-resistant
- PVC and halogen-free
- Guarantee up to 4 years

Product description

Introducing the readycable® servo cable, designed for Wittenstein and Simco CAB-POW-E-S915-FL applications. This versatile cable features a durable PUR outer jacket, making it ideal for medium duty use. It offers exceptional oil resistance and is both halogen-free and silicone-free. With flame retardant properties and resistance to coolant, hydrolysis, and microbes, it's perfect for both indoor and outdoor settings. Enjoy reliable performance in unsupported travel distances up to 10m.

Manufacturer attributes

Manufacturer Part No	Simco CAB-POW-E-S915-FL
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General properties

Number of cores and conductor nominal cross-section	(4G1.5+2x(2x0.75)C)C
Outer diameter (d) max. mm	12.5 mm
Weight per km	210 kg/km
Copper index kg/km	162 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

Stranded conductor in an especially bend-resistant version consisting of bare copper wires (according to DIN EN 60228).



Core insulation

Mechanically high-quality, especially low-capacity XLPE mixture.



Core stranding

Power cores and control pair elements wound with a short pitch length around a high tensile strength centre element.



Conductor colours

Power cores: Cores black with white digits, one core green-yellow. 1st core: U / L1 / C / L+ 2nd core: V / L2 3rd core: W / L3 / D / L- 2 control pairs: cores black with white digits. 1st control wire: 5 2nd control wire: 6 3rd control wire: 7 4th control wire: 8

Core group 1 core structure

4G1.5

Core group 2 core structure

2x(2x0.75)C



Overall shield

Bend-resistant braiding made of tinned copper wires. Coverage approx. 55% linear, approx. 80% optical



Outer jacket

Low-adhesion, halogen-free, highly abrasion-resistant PUR mixture, adapted to suit the requirements in e-chains® (according to DIN EN 50363-10-2).



Outer jacket colour

Pastel orange (comparable to RAL 2003)



Properties and approvals

	UV resistance	Medium
	Oil resistance	Oil-resistant (according to DIN EN 50363-10-2), Class 3
	Offshore	MUD-resistant according to NEK 606 - status 2018
	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)
	Halogen-free	According to DIN EN 60754
	UL verified	Certificate no. V293650: "igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year"
	UL/CSA AWM	Style 30052 und 21209, 1000 V, 90°C
	NFPA	According to NFPA 79-2018, chapter 12.9
	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)	10 x d
	Min. bend radius, e-chain	125 mm
	Min. bend radius, flexible (factor)	8 x d
	Min. bend radius, fixed (factor)	5 x d
	Temperature e-chain®	-25°C up to +80°C
	Temperature, flexible	-40°C to +80°C (according to DIN EN 60811-504)
	Temperature, fixed	-50°C to +80°C (according to DIN EN 50305)
	v max. unsupported (speed)	10 m/s
	v max. gliding (speed)	2 m/s
	a max. (acceleration)	50 m/s ²
	travel length	Class 2
	torsion	No torsion



chainflex®Lifetime

Guaranteed service life for this series according to guarantee conditions
Further information: [chainflex® guarantee](#)

Double strokes*	5 million	7.5 million	10 million
Temperature,	R min.	R min.	R min.
from/to [°C]	[Factor x d]	[Factor x d]	[Factor x d]
-25 /-10	12.5	13.5	14.5
-15 /+70	10	11	12
+70 / +80	12.5	13.5	14.5

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

Certificates and standards

