

readycable® control cable suitable for Omron

JZSP-CSM22-xx-E-G1, basic cable PVC 12.5xd

MAT9412102



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

Product description

Introducing the readycable® control cable, designed for Omron JZSP-CSM22-xx-E-G1 applications. This flexible cable features a durable PVC outer jacket, making it ideal for indoor use and flexing applications. With flame-retardant properties and a silicone-free composition, it ensures safety and reliability. Perfect for wood and stone processing, packaging, and handling tasks, this cable supports unsupported travels of up to 10 meters, making it a versatile choice for your operational needs.

Manufacturer attributes

Manufacturer Part No	JZSP-CSM22-xx-E-G1
Cable type	Basic cable

Connectors

Connector A	JZSP connector
Connector B	Wire end sleeve/ring cable lug

General properties

Number of cores and conductor nominal cross-section	(4G0.75)C
Outer diameter (d) max. mm	7.5 mm
Weight per km	72 kg/km
Copper index kg/km	46 kg/km

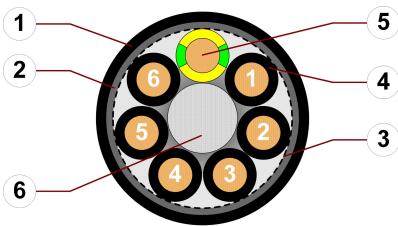


Electricity attributes

	Nominal voltage	300/500V
	UL Voltage Rating	300 V
	Test voltage	2000V (according to DIN EN 50395)
	Maximum conductor resistance at 20°C [Ω /km]	26.0000

Cable structure

	Conductor	Conductor consisting of bare copper wires (according to DIN EN 60228).
	Core insulation	Mechanically high-quality TPE mixture.
	Core stranding	Cores wound with an optimised pitch length.
	Conductor colours	cores black with white numbers, one core green-yellow.
	Core group 1 core structure	(4G0.75)C
	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	Jet black (comparable to RAL 9005)



- 1. Outer jacket: pressure-extruded PVC mixture
- 2. Overall shield: braiding made of tinned copper wires
- 3. Banding: plastic foil
- 4. Core insulation: mechanically high-quality TPE mixture
- 5. Conductor: made of bare copper wires
- 6. Filler: plastic yarns



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 10493 and 2464, 300 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)	12.5 x d
	Min. bend radius, e-chain	93.75 mm
	Min. bend radius, flexible (factor)	10 x d
	Min. bend radius, fixed (factor)	7 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	15	16	17
+15 / +60	12.5	13.5	14.5
+60 / +70	15	16	17

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

Certificates and standards

