

readycable® hybrid cable suitable for Festo iNEBM-M23G15-EH-Q7N-R3LEG14, extension cable, PVC 10xd

MAT9752352



readycable® hybrid cable suitable for Festo iNEBM-M23G15-EH-Q7N-R3LEG14, extension cable, PVC 10xd

- For medium-duty applications
- PVC outer jacket
- Shielded
- Oil-resistant
- Flame retardant
- Guarantee up to 4 years

Product description

Introducing the readycable® hybrid cable, designed specifically for Festo iNEBM-M23G15-EH-Q7N-R3LEG14 applications. This versatile extension cable features a durable PVC outer jacket, making it suitable for medium-duty tasks both indoors and outdoors in temperatures above 5°C. With oil resistance and flame-retardant properties, it ensures reliable performance in wood processing, packaging, and handling. Experience superior quality and flexibility with this essential cable for your operational needs.

Manufacturer attributes

Manufacturer Part No	iNEBM-M23G15-EH-Q7N-R3LEG14
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General properties

Number of cores and conductor nominal cross-section	(4G1.5+(2x0.75)C+(2x2x0.14+2x0.25)C)C
Outer diameter (d) max. mm	13.5 mm
Weight per km	240 kg/km
Copper index kg/km	150 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 a 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	According to servo hybrid specification.
	Core group 1 core structure	4G1.5
	Core group 2 core structure	(2x0.75)C
	Element shield	Flexible braiding made of tinned copper wires.
	Overall shield	Bend-resistant braiding made of tinned copper wires. Coverage approx. 55% linear, approx. 80% optical
	Outer jacket	Low-adhesion, oil-resistant PVC mixture, adapted to suit the requirements in e-chains® (according to DIN EN 50363-4-1).
	Outer jacket colour	Pastel orange (comparable to RAL 2003)



Properties and approvals

	UV resistance	Medium
	Oil resistance	Oil-resistant (according to DIN EN 50363-4-1), Class 2
	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: "igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year"
	UL/CSA AWM	Style 10989 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)
	Cleanroom	According to ISO Class 2. The outer jacket material of this series complies with CF5.10.07 - tested by IPA according to standard DIN EN ISO 14644-1
	CE	According to 2014/35/EU



Dynamic properties

	Min. bend radius, e-chain (factor)	10 x d
	Min. bend radius, e-chain	135 mm
	Min. bend radius, flexible (factor)	8 x d
	Min. bend radius, fixed (factor)	5 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)	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,	v max. [m/s]		a max.	Travel	R min. [Factor x d]	R min. [Factor x d]	R min. [Factor x d]
from/to [°C]	unsupported	gliding	[m/s²]	[m]			
+5 / +15					12.5	13.5	14.5
+15 / +60	10	2	50	≤ 10	10	11	12
+60 / +70					12.5	13.5	14.5

* Higher number of double strokes possible - please ask for your individual calculation.

Certificates and standards

