

readycable® control cable, suitable for Panasonic,
MFMCA0xx0EEL, basic cable PVC 7.5xd

MAT9712602



readycable® control cable, suitable for
Panasonic, MFMCA0xx0EEL, basic cable PVC
7.5xd

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

Product description

Introducing the readycable® control cable, designed for medium duty applications. This reliable cable features a durable PVC outer jacket and an overall shield for added protection. With a flame-retardant and silicone-free design, it's ideal for indoor use in wood/stone processing, packaging, and handling devices. Note that this cable is not oil-resistant and is suitable for unsupported travel distances up to 50m. Experience quality and performance with the readycable® control cable, perfect for your needs.

Connectors

Connector A	Plug-in connector, socket, 4-pin
Connector B	Wire end sleeve/ring cable lug

Manufacturer attributes

Manufacturer Part No	MFMCA0xx0EEL
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General properties

Number of cores and conductor nominal cross-section	(4G0.75)C
Outer diameter (d) max. mm	8.5 mm
Weight per km	102 kg/km
Copper index kg/km	51 kg/km



Electricity attributes

	Nominal voltage	300/500V (according to DIN VDE 0298-3)
	UL Voltage Rating	300 V
	Test voltage	2000V (according to DIN EN 50395)

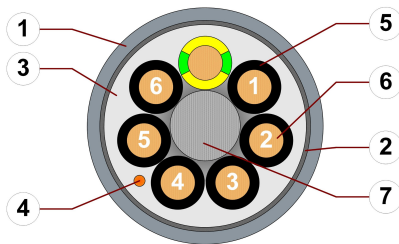
Properties and approvals

	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 10493 and 20200, 300 V, 60 °C
	NFPA	According to NFPA 79-2018, chapter 12.9
	Lead-free	According to 2011/65/EU (RoHS-II/RoHS-III)
	Cleanroom	According to ISO Class 1. The outer jacket material of this series complies with CF130.15.07.UL - tested by IPA according to standard DIN EN ISO 14644-1
	CE	According to 2014/35/EU



Cable structure

	Conductor	Finely stranded conductor 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		(4G0.75)C
	Inner jacket	PVC mixture adapted to suit the requirements in e-chains®.
	Overall shield	Bend-resistant braiding made of tinned copper wires. Coverage approx. 55% linear, approx. 80% optical
	Outer jacket	Low-adhesion PVC mixture, adapted to suit the requirements in e-chains® (according to DIN EN 50363-4-1).
	Outer jacket colour	Silver grey (comparable to RAL 7001)
	CFRIP®	Strip cables faster: a tear strip is moulded into the inner jacket



1. Outer jacket: pressure-extruded PVC mixture
2. Overall shield: bend-resistant braiding of tinned copper wires
3. Inner jacket: pressure-extruded, gusset-filling PVC mixture
4. CFRIP: tear strip for faster stripping
5. Core insulation: mechanically high-quality TPE mixture
6. Conductor: finely stranded wires of bare copper wires
7. Strain relief: high tensile strength centre element
8. 12 cores or more: Bundles with optimised pitch length and direction



Dynamic properties

	Min. bend radius, e-chain (factor)	7.5 x d
	Min. bend radius, e-chain	63.75 mm
	Min. bend radius, flexible (factor)	6 x d
	Min. bend radius, fixed (factor)	4 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)	2 m/s
	a max. (acceleration)	20 m/s ²
	travel length	Class 4
	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,	< 10m	≥ 10m	< 10m	≥ 10m	< 10m	≥ 10m
from/to [°C]	R min. [Factorxd]		R min. [Factorxd]		R min. [Factorxd]	
+5 / +15	10	12.5	11	13.5	12	14.5
+15 / +60	7.5	10	8.5	11	9.5	12
+60 / +70	10	12.5	11	13.5	12	14.5

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

Certificates and standards

