

readycable® fan cable suitable for NUM

AGOFRU012Mxxx, basic cable PVC 10xd

MAT9289005



readycable® fan cable suitable for NUM

AGOFRU012Mxxx, basic cable PVC 10xd

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

Product description

Introducing the readycable® fan cable, designed specifically for medium duty applications. This durable cable features a flame-retardant PVC outer jacket and is silicone-free, making it ideal for indoor use. Perfect for wood and stone processing, packaging, and handling devices, it supports unsupported travel distances up to 50m for gliding applications. Experience reliable performance without the influence of oil with this versatile solution.

Manufacturer attributes

Manufacturer Part No	AGOFRU012Mxxx
Cable type	Basic cable

Connectors

Connector A	Connector 5-pin socket solder
Connector B	open cable end

General properties

Number of cores and conductor nominal cross-section	4G1.0
Outer diameter (d) max. mm	7 mm
Weight per km	74 kg/km
Copper index kg/km	41 kg/km

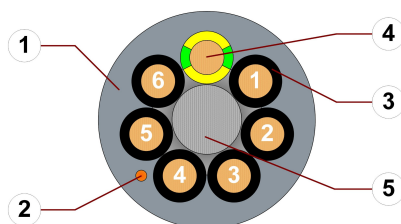


Electricity attributes

	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]	19.5000

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	4G1.0
	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 outer jacket



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



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
	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 1, material/cable tested by IPA according to DIN EN ISO standard 14644-1
	CE	According to 2014/35/EU



Dynamic properties

	Min. bend radius, e-chain (factor)	7.5 x d
	Min. bend radius, e-chain	52.5 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	Torsion ±90°, with 1m cable length, Class 2



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

