

readycable® measuring system cable, suitable for
Hengstler, RI58-0-xxxxx-A-x.xx-R-C/D, basic cable
PVC 15xd

MAT9742913



readycable® measuring system cable, suitable
for Hengstler, RI58-0-xxxxx-A-x.xx-R-C/D,
basic cable PVC 15xd

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

Product description

Introducing the readycable® measuring system cable, designed for Hengstler RI58-0-xxxxx-A-x.xx-R-C/D. This flexible cable features a durable PVC outer jacket, making it ideal for indoor applications without oil influence. Perfect for unsupported travels up to 10m, it excels in wood and stone processing, packaging, feeding, and handling devices. With flame retardant properties and an overall shield, this cable ensures reliable performance in various settings. Choose readycable® for your measurement needs.

Connectors

Connector A	Connector M23 12-pin
Connector B	Wire end sleeve

Manufacturer attributes

Manufacturer Part No	RI58-0-xxxxx-A-x.xx-R-C/D
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General properties

Number of cores and conductor nominal cross-section	(4x(2x0.25)+2x0.5)C
Outer diameter (d) max. mm	8 mm
Weight per km	91 kg/km
Copper index kg/km	44 kg/km



Electricity attributes

	Nominal voltage	50V
	UL Voltage Rating	30 V
	Test voltage	500V

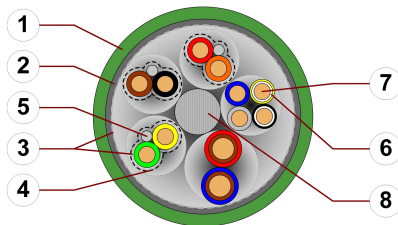
Properties and approvals

	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 1589 and 2560, 30 V, 60 °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



Cable structure

	Conductor	Conductor consisting of bare copper wires (according to DIN EN 60228)
	Core insulation	Mechanically high-quality TPE mixture.
	Core stranding	According to measuring system specification
	Conductor colours	according to measuring system specification
Core group 1 core structure		4x(2x0.25)
Core group 1 colour code		brown/green, blue/violet, grey/pink, red/black
Core group 2 core structure		2x0.5
	Element shield	Foil taping of optimised, flexible foil shield. Cover approx. 100% optical
	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® (according to DIN EN 50363-4-1).
	Outer jacket colour	Yellow-green (comparable to RAL 6018)



1. Outer jacket: pressure-extruded PVC mixture
2. Overall shield: braiding made of tinned copper wires
3. Shield film: aluminium-coated plastic foil
4. Banding: plastic foil
5. Drain wire: stranded wire conductor made of tinned copper wires
6. Core insulation: mechanically high-quality TPE mixture
7. Conductor: strands consisting of bare copper wires
8. Strain relief: plastic core element



Dynamic properties

	Min. bend radius, e-chain (factor)	15 x d
	Min. bend radius, e-chain	120 mm
	Min. bend radius, flexible (factor)	12 x d
	Min. bend radius, fixed (factor)	8 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
	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	17.5	18.5	19.5
+15 / +60	15	16	17
+60 / +70	17.5	18.5	19.5

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

Certificates and standards

