

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

MAT9742901



readycable® measuring system cable, suitable
for Hengstler, RI58-0-xxxxx-A-x.xx-T-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 models RI58-0-xxxxx-A-x.xx-T-C/D. This durable cable features a flexible PVC outer jacket, making it ideal for indoor applications and unsupported travels up to 10 meters. With its flame-retardant properties and overall shield, this cable is perfect for wood and stone processing, packaging, and handling devices. Choose readycable® for reliable performance in demanding environments.

Connectors

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

Manufacturer attributes

Manufacturer Part No	RI58-0-xxxxx-A-x.xx-T-C/D
----------------------	---------------------------

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)



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

Certificates and standards

