

Han 10B connector housing (pin) on Han 10B
connector housing (socket), double locking lever,
angled at both ends, iguPUR

MAT90489403



**Han 10B connector housing (pin) on Han 10B
connector housing (socket), double locking
lever, angled at both ends, iguPUR**

- For flexing applications
- iguPUR outer jacket
- Flame retardant
- Silicone-free
- UV-resistant
- Oil-resistant (according to DIN EN 50363-10-2)
- Guarantee up to 4 years

Product description

Introducing the Han 10B Connector Housing, a versatile solution for flexing applications. Crafted from iguPUR material, this connector is flame retardant, silicone-free, UV-resistant, and oil-resistant, making it ideal for indoor and outdoor use without direct sunlight. Its double locking lever and angled design ensure secure connections, perfect for unsupported travels up to 10m. Trust the Han 10B series for reliable performance in processing, machine tools, and low-temperature applications.

Connectors

Connector A	Socket M25 insert 10+PE lateral Cable entry
Connector B	Connector M25 insert 10+PE lateral Cable entry

General properties

Number of cores and conductor nominal cross-section	12G1.5
Outer diameter (d) max. mm	12 mm
Weight per km	256 kg/km
Copper index kg/km	186 kg/km

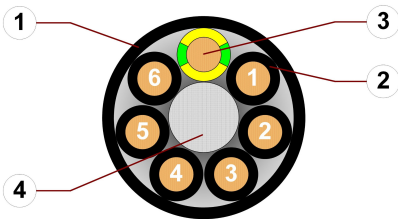


Electricity attributes

	Nominal voltage	300/500V
	UL Voltage Rating	600 V
	Test voltage	2000V (according to DIN EN 50395)
	Maximum conductor resistance at 20°C [Ω /km]	13.3000

Cable structure

	Conductor	Conductor consisting of bare copper wires (according to DIN EN 60228).
	Core insulation	Mechanically high-quality TPE mixture.
	Core stranding	Cores wound with an optimised pitch length.
	Conductor colours	cores black with white numbers, one core green-yellow.
	Core group 1 core structure	12G1.5
	Outer jacket	Low-adhesion iguPUR mixture, adapted to suit the requirements in e-chains®.
	Outer jacket colour	Jet black (comparable to RAL 9005)



- 1. Outer jacket: pressure extruded iguPUR mixture
- 2. Core insulation: mechanically high-quality TPE mixture
- 3. Conductor: made of bare copper wires
- 4. Filler: plastic yarns



Properties and approvals



UV resistance

Medium

Oil resistance

Oil-resistant (according to DIN EN 50363-10-2), Class 3



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 11323 and 20940, 600 V, 80 °C



Lead-free

According to 2011/65/EU (RoHS-II/RoHS-III)



CE

According to 2014/35/EU



Dynamic properties

	Min. bend radius, e-chain (factor)	12.5 x d
	Min. bend radius, e-chain	150 mm
	Min. bend radius, flexible (factor)	10 x d
	Min. bend radius, fixed (factor)	7 x d
	Temperature e-chain®	-20°C up to +80°C
	Temperature, flexible	-40°C to +80°C (according to DIN EN 60811-504)
	Temperature, fixed	-50°C to +80°C (according to DIN EN 50305)
	v max. unsupported (speed)	3 m/s
	v max. gliding (speed)	0 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]
-20 / -10	15	16	17
-10 / +70	12.5	13.5	14.5
+70 / +80	15	16	17

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

Certificates and standards

