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

MAT90489395

Han 10B connector housing (pin) on Han 10B connector housing (socket), double locking lever, straight 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, designed for flexing applications with a robust iguPUR outer jacket. This connector features a double locking lever and straight ends, ensuring secure connections. It's flame retardant, silicone-free, UV-resistant, and oil-resistant, making it perfect for indoor and outdoor use without direct sunlight. Ideal for unsupported travels up to 10m, this connector is perfect for processing and machine tools, even in low-temperature settings. Choose reliability with Han 10B.

Connectors

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

General properties

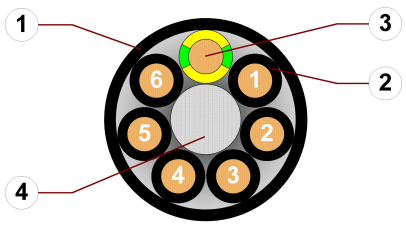
Number of cores and conductor nominal cross-section	12G1.5
Outer diameter (d) max. mm	12 mm
Weight per km	256 kg/km
Copper index kg/km	186 kg/km

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 [/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/s²
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