Han 10B connector housing (pin) on Han 10B connector housing (socket), double locking lever, straight at both ends, PVC 7.5xd

MAT90489393

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

Product description

Introducing the Han 10B Connector Housing, designed for medium-duty applications. This durable connector features a PVC outer jacket that is flame retardant and silicone-free, making it ideal for indoor use. With a double locking lever and straight ends, it ensures secure connections. Perfect for wood and stone processing, packaging, and handling devices, this connector is built to perform without oil influence and supports gliding applications up to 50m. Trust Han for reliable and efficient connectivity.

Connectors

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

General properties

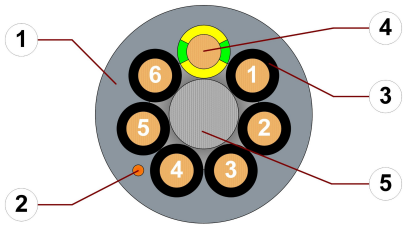
Number of cores and conductor nominal cross-section	12G1.5
Outer diameter (d) max. mm	13 mm
Weight per km	288 kg/km
Copper index kg/km	179 kg/km

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 [/km]	13.3000

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 bundles are then wound around a high tensile strength centre element, all with optimised short pitch lengths and directions. Especially low-torsion structure.
Conductor colours	cores black with white numbers, one core green-yellow.
Core group 1 core structure	12G1.5
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	97.5 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/s²
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