

Connection cable suitable for Keyence iOP-87354
PVC, 7.50xd
MAT904194300



Connection cable suitable for Keyence
iOP-87354 PVC, 7.50xd

- For heavy-duty applications
- PVC outer jacket
- Oil resistant (following DIN EN 50363-4-1)
- Flame retardant
- Silicone-free
- Guarantee up to 4 years

Product description

Introducing the Connecting Cable suitable for Keyence iOP-87354, designed for heavy-duty applications. With a durable PVC outer jacket, this cable is oil resistant and flame retardant, ensuring reliability in various environments. Ideal for both indoor and outdoor use at temperatures above 5°C, it supports unsupported travel distances and is perfect for storage and retrieval units, machining units, and handling equipment. Trust this silicone-free cable for your demanding tasks.

Manufacturer attributes

Manufacturer Part No	iOP-87354
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General properties

Number of cores and conductor nominal cross-section	(6x(2x0.25))C
Outer diameter (d) max. mm	9 mm
Weight per km	105 kg/km
Copper index kg/km	62 kg/km

Electricity attributes

Nominal voltage	300/300V (according to DIN VDE 0298-3)
UL Voltage Rating	300 V
Test voltage	1500V (according to DIN EN 50395)



Properties and approvals

UV resistance	Medium
Oil resistance	Oil-resistant (according to DIN EN 50363-4-1), Class 2
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 2464, 300 V, 80 °C
NFPA	According to NFPA 79-2018, chapter 12.9
Lead-free	According to 2011/65/EU (RoHS-II/RoHS-III)
Cleanroom	According to ISO Class 1. The outer jacket material of this series complies with CF240.02.24 - tested by IPA according to standard DIN EN ISO 14644-1
CE	According to 2014/35/EU

Cable structure

Conductor	Very finely stranded special conductors of a particularly bend-resistant design, made of bare copper wires.
Core insulation	Mechanically high-quality TPE mixture.
Core stranding	Cores twisted in pairs with short pitch lengths, core pairs then wound with short pitch lengths.
Conductor colours	Colour code according to DIN 47100
Overall shield	Extremely flexible braiding made of tinned copper wires. Coverage linear approx. 70%, optical approx. 90%
Outer jacket	Low-adhesion, oil-resistant 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)

Dynamic properties

Min. bend radius, e-chain (factor)	7.5 x d
Min. bend radius, e-chain	67.5 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)	5 m/s
v max. gliding (speed)	3 m/s
a max. (acceleration)	50 m/s ²
travel length	Class 5
torsion	No torsion



Certificates and standards

