

HELUCHAIN® PROFINET 24V POWER PVC / HELUCHAIN® PROFINET 24V POWER + FE PVC

flexible, colour coded, meter marking



HELUCHAIN PROFINET 24V POWER PVC 4x0,75 QMM / 11008504 300/500 V CE



HELUCHAIN PROFINET 24V POWER + FE PVC 5x0,75 QMM / 11008505 300/500 V CE

Technical data

- **PROFINET-compliant*, highly-flexible PVC drag chain cable**
acc. to guideline for Profinet Draft 4.10 -
Date: May 2018
Order No.: 2.252
and DIN EN 60445 (VDE 0197)
- **Temperature range**
flexing 0°C to +90°C
fixed installation -30°C to +90°C
- **Nominal voltage**
U₀/U 300/500 V
- **Minimum bending radius**
flexing 12x conductor Ø
fixed installation 4x conductor Ø

Cable structure

- Bare copper conductor, finely stranded acc. to
DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
- Core insulation:
PVC acc. to DIN VDE 0207-363-3 /
DIN EN 50363-3 (compound type T13)
- Core identification:
brown (L1), blue (N1),
black (L2), white (N2)
5 cores: rose (FE)
- Nonwoven wrapping min. 25 % overlapping
- Outer sheath:
PVC acc. to DIN VDE 0207-363-4-1 /
DIN EN 50363-4-1 (compound type TM3)
- Sheath colour
HELUCHAIN® PROFINET
24V POWER PVC
(without functional earthing conductor)
black (RAL 9005)
HELUCHAIN® PROFINET
24V POWER + FE PVC
(with functional earthing conductor)
gray (RAL 7001)
- With meter marking

Properties

- **Drag chain properties**
max. travelling distance 10 m
max. speed 3 m/s
max. acceleration 3m/s²
max. cycles 2M
- The materials used in
production are free of silicone, cadmiun,
and paint-wetting impairment
substances
- **Resistance**
Extensively oil resistant
- **Tests**
Flame retardant acc. to
DIN VDE 0482-332-1-2,
DIN EN 60332-1-2, IEC 60332-1-2

Note

*Deviation from guideline for Profinet Draft 4.10 with pink functional earthing conductor (+FE) with 5-core construction acc. to DIN EN 60445 (VDE 0197)

Application

PROFINET-compliant, highflex PVC drag chain cable for use in dry and wet environments, but not outdoors. For use in measurement, control and feedback control systems in the automotive industry, machine and machine tool construction and continous moving machine parts with shift and bending stresses. For use in drag chains, please follow installation guidelines.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

HELUCHAIN® PROFINET 24V POWER PVC

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11008504	4 x 0,75	6,4	28,8	66,0	-
11008506	4 x 1,5	7,7	58,0	109,0	-
11008508	4 x 2,5	9,3	96,0	178,0	-

HELUCHAIN® PROFINET 24V POWER + FE PVC

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
11008505	5 x 0,75	7,0	36,0	80,0	-
11008507	5 x 1,5	8,4	72,0	131,0	-
11008509	5 x 2,5	10,2	120,0	221,0	-

Dimensions and specifications may be changed without prior notice. (RA01)