

Number of contacts

8

+ 2x GND

Interface



Features

- Miniaturised Ethernet data interface suitable for industry in acc. to IEC 61076-3-124 type A
- Robust industrial design
- 360° shielding
- Category of transmission Cat. 6_A
- 5000 mating cycles
- 70 % reduced size compared to RJ45
- Suitable for all PoE versions

Technical characteristics

Number of contacts	8
Additional contacts	+ 2x GND
Rated current	1.5 A
Rated voltage	50 V AC, 60 V DC
Test voltage U _{r.m.s.}	0.5 kV
Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Storage temperature	-30 ... +60 °C
Mating cycles	≥5000
Degree of protection acc. to IEC 60529	IP20
Transmission characteristics	Cat. 6 _A , Class E _A up to 500 MHz
Data rate	10 Mbit/s, 100 Mbit/s, 1 Gbit/s, 2.5 Gbit/s, 5 Gbit/s, 10 Gbit/s
Insertion force	≤25 N
Withdrawal force	≤25 N
Material (insert)	LCP
Colour (insert)	Black
Material (contacts)	Copper alloy
Flammability acc. to UL 94	V-0
RoHS	compliant

Specifications and approvals

IEC 61076-3-124



Details

Cable assemblies see chapter 8

Identification	Part number	Drawing dimensions in mm
<p>HARTING ix Industrial®, PCB connector, Angled, Solder termination, Fully shielded, 360° shielding contact, Pack contents: 1 sample piece Contact surface: Au over Ni</p>	09 45 281 2560 333	
<p>HARTING ix Industrial®, PCB connector, Angled, Solder termination, Fully shielded, 360° shielding contact, Pack contents: 400 pieces on reel Contact surface: Au over Ni</p>	09 45 281 2560	

Number of contacts

8

+ 2x GND

Interface



Features

- Miniaturised Ethernet data interface suitable for industry in acc. to IEC 61076-3-124 type A
- Robust industrial design
- 360° shielding
- Category of transmission Cat. 6_A
- 5000 mating cycles
- Suitable for all PoE versions

Technical characteristics

Number of contacts	8
Additional contacts	+ 2x GND
Rated current	1.5 A
Rated voltage	50 V AC, 60 V DC
Test voltage U _{r.m.s.}	0.5 kV
Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Storage temperature	-30 ... +60 °C
Mating cycles	≥5000
Degree of protection acc. to IEC 60529	IP20
Cable diameter	6.3 ... 7.2 mm
Transmission characteristics	Cat. 6 _A , Class E _A up to 500 MHz
Data rate	10 Mbit/s, 100 Mbit/s, 1 Gbit/s, 2.5 Gbit/s, 5 Gbit/s, 10 Gbit/s
Insertion force	≤25 N
Withdrawal force	≤25 N
Material (insert)	LCP
Colour (insert)	Black
Material (contacts)	Copper alloy
Flammability acc. to UL 94	V-0

Specifications and approvals

IEC 61076-3-124



Details

Cable assemblies see chapter 8

Identification

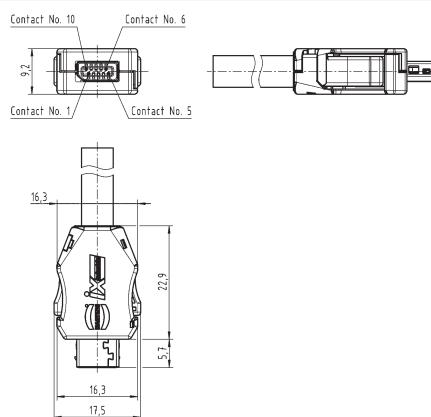
Part number

Drawing (dimensions in mm)

HARTING ix Industrial®,
Cable connector,
Solder termination,
Fully shielded, 360° shielding contact,
for AWG 28/7 - 22/7 and conductor diameters up to 1.55 mm,

Pack contents:
Packaging with 100 pieces
Contact surface:
Au over Ni

09 45 181 2560 XL



Identification	Part number	Drawing (dimensions in mm)	Interface
<p>HARTING ix Industrial®, Cable connector, IDC termination, Fully shielded, 360° shielding contact, for AWG 28/7 - 26/7 and conductor diameters from 0.95 - 1.05 mm, Pack contents: Packaging with 100 pieces Contact surface: Au over Ni</p>	09 45 181 2561 XL		
Assembly tool, for HARTING ix Industrial® to assemble the single wire to the IDC and the cable strain relief crimping	09 45 800 0181		



Number of contacts

10



Features

- Miniaturised interface for signals and bus systems in acc. to IEC 61076-3-124 type B, suitable for industrial use
 - Robust industrial design
 - 360° shielding
 - 5000 mating cycles
 - Very small and space saving interface

Technical characteristics

Number of contacts	10
Rated current	1.5 A
Rated voltage	50 V AC, 60 V DC
Test voltage U _{r.m.s.}	0.5 kV
Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Storage temperature	-30 ... +60 °C
Mating cycles	≥5000
Degree of protection acc. to IEC 60529	IP20
Insertion force	≤25 N
Withdrawal force	≤25 N
Material (insert)	LCP
Colour (insert)	Black
Material (contacts)	Copper alloy
Flammability acc. to UL 94	V-0

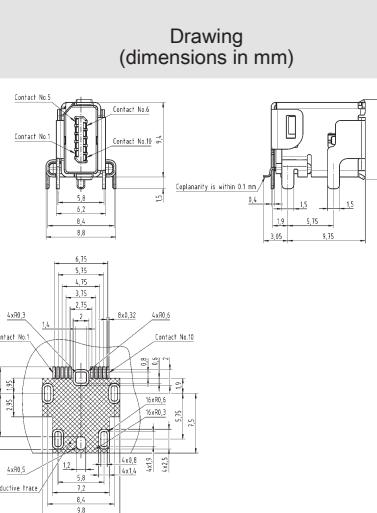
Specifications and approvals

IEC 61076-3-124



Details

Cable assemblies see chapter 8



Identification

Part number

Drawing
(dimensions in mm)

HARTING ix Industrial®,
PCB connector,
Solder termination,
Fully shielded. 360° shielding contact.

Pack contents:
1 sample piece

Contact surface:
Au over Ni

Number of contacts

10

Interface



Features

- Miniaturised interface for signals and bus systems in acc. to IEC 61076-3-124 type B, suitable for industrial use
- Robust industrial design
- 360° shielding
- 5000 mating cycles
- Very small and space saving interface

Technical characteristics

Number of contacts	10
Rated current	1.5 A
Rated voltage	50 V AC, 60 V DC
Test voltage U _{r.m.s.}	0.5 kV
Contact resistance	≤30 mΩ
Shielding resistance	≤100 mΩ
Limiting temperature	-40 ... +85 °C
Storage temperature	-30 ... +60 °C
Mating cycles	≥5000
Degree of protection acc. to IEC 60529	IP20
Cable diameter	6.3 ... 7.2 mm
Insertion force	≤25 N
Withdrawal force	≤25 N
Material (insert)	LCP
Colour (insert)	Black
Material (contacts)	Copper alloy
Flammability acc. to UL 94	V-0

Specifications and approvals



Details

Cable assemblies see chapter 8

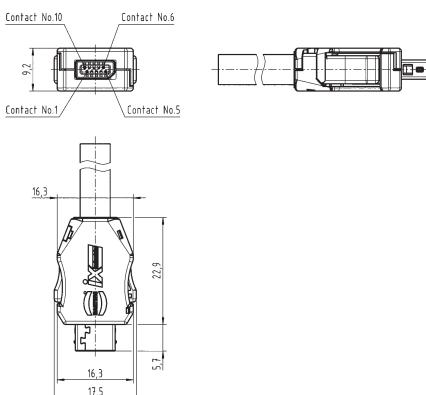
Identification

HARTING ix Industrial®,
Cable connector,
Solder termination,
Fully shielded, 360° shielding contact,
for AWG 28/7 - 22/7 and conductor diameters up to 1.55 mm,
Pack contents:
Packaging with 100 pieces
Contact surface:
Au over Ni

Part number

09 45 181 9000 XL

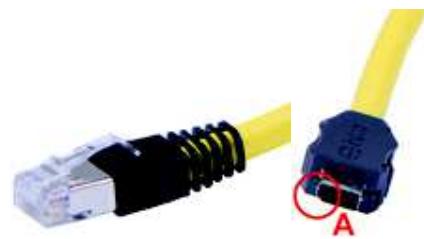
Drawing (dimensions in mm)



Identification	Part number	Drawing (dimensions in mm)	Interface
<p>HARTING ix Industrial®, Cable connector, IDC termination, Fully shielded, 360° shielding contact, for AWG 28/7 - 26/7 and conductor diameters from 0.95 - 1.05 mm, Pack contents: Packaging with 100 pieces Contact surface: Au over Ni</p>	09 45 181 9001 XL		
Assembly tool, for HARTING ix Industrial® to assemble the single wire to the IDC and the cable strain relief crimping	09 45 800 0181		

4x 2x AWG 28/7
HARTING ix Industrial® Type A
RJ45

Cable



Features

- Miniaturised Ethernet data interface suitable for industry in acc. to IEC 61076-3-124 type A
- Robust industrial design
- 360° shielding
- Category of transmission Cat. 6_A
- 5000 mating cycles
- Flexible, space saving
- Suitable for all PoE versions

Technical characteristics

Number of cores	8
Core structure	4x 2x AWG 28/7
Connector 1	HARTING ix Industrial®, Type A
Connector 2	RJ45
Limiting temperature	-40 ... +80 °C
Transmission characteristics	Cat. 6 _A , Class E _A up to 500 MHz
Data rate	10 Mbit/s, 100 Mbit/s, 1 Gbit/s, 2.5 Gbit/s, 5 Gbit/s, 10 Gbit/s
Material (cable)	PVC
Colour (cable)	Yellow
RoHS	compliant

Specifications and approvals

IEC 61076-3-124



Details

Other cable lengths on request!

Identification

HARTING ix Industrial®
RJ45,
Copper cable (round),
Pre-assembled on both sides



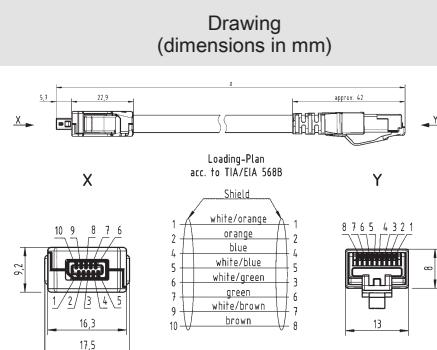
Cable length

0.2 m
0.3 m
0.4 m
0.5 m
0.7 m
1 m
1.5 m
2 m
2.5 m
3 m
5 m
7.5 m
10 m

Part number

09 48 261 2749 002
09 48 261 2749 003
09 48 261 2749 004
09 48 261 2749 005
09 48 261 2749 007
09 48 261 2749 010
09 48 261 2749 015
09 48 261 2749 020
09 48 261 2749 025
09 48 261 2749 030
09 48 261 2749 050
09 48 261 2749 075
09 48 261 2749 100

Drawing (dimensions in mm)



4x 2x AWG 28/7
HARTING ix Industrial® Type A
HARTING ix Industrial® Type A



Cable

Features

- Miniaturised Ethernet data interface suitable for industry in acc. to IEC 61076-3-124 type A
- Robust industrial design
- 360° shielding
- Category of transmission Cat. 6_A
- 5000 mating cycles
- Flexible, space saving
- Suitable for all PoE versions

Technical characteristics

Number of cores	8
Core structure	4x 2x AWG 28/7
Connector 1	HARTING ix Industrial®, Type A
Connector 2	HARTING ix Industrial®, Type A
Limiting temperature	-40 ... +80 °C
Transmission characteristics	Cat. 6 _A , Class E _A up to 500 MHz
Data rate	10 Mbit/s, 100 Mbit/s, 1 Gbit/s, 2.5 Gbit/s, 5 Gbit/s, 10 Gbit/s
Material (cable)	PVC
Colour (cable)	Yellow
RoHS	compliant

Specifications and approvals

IEC 61076-3-124



Details

Other cable lengths on request!

Identification

HARTING ix Industrial®,
Copper cable (round),
Pre-assembled on both sides



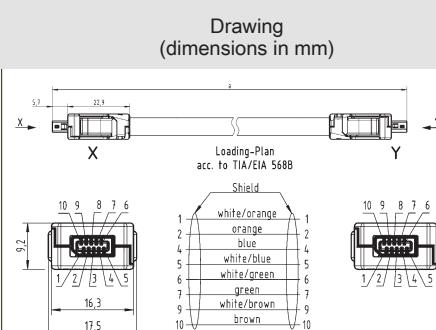
Cable length

0.2 m
0.3 m
0.4 m
0.5 m
0.7 m
1 m
1.5 m
2 m
2.5 m
3 m
5 m
7.5 m
10 m

Part number

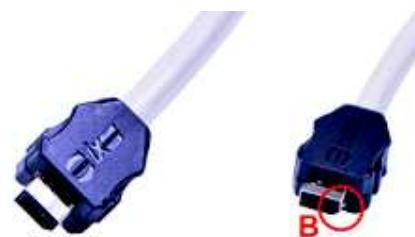
09 48 262 6749 002
09 48 262 6749 003
09 48 262 6749 004
09 48 262 6749 005
09 48 262 6749 007
09 48 262 6749 010
09 48 262 6749 015
09 48 262 6749 020
09 48 262 6749 025
09 48 262 6749 030
09 48 262 6749 050
09 48 262 6749 075
09 48 262 6749 100

Drawing (dimensions in mm)



10x AWG 26
HARTING ix Industrial® Type B
HARTING ix Industrial® Type B

Cable



Features

- Miniaturised interface for signals and bus systems in acc. to IEC 61076-3-124 type B, suitable for industrial use
- Robust industrial design
- 360° shielding
- 5000 mating cycles
- Flexible, space saving

Technical characteristics

Number of cores	10
Core structure	10x AWG 26
Connector 1	HARTING ix Industrial®, Type B
Connector 2	HARTING ix Industrial®, Type B
Rated current	1.5 A
Rated voltage	50 V AC, 60 V DC
Limiting temperature	-30 ... +80 °C, -40 ... +80 °C
Material (cable)	PVC, PUR (polyurethane)
Colour (cable)	Grey

Specifications and approvals

IEC 61076-3-124



Details

Other cable lengths on request!

Identification

Cable length

Part number

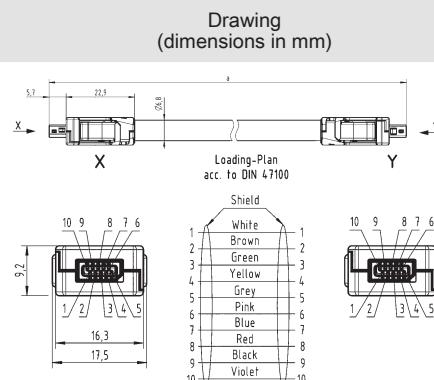
Drawing
(dimensions in mm)

HARTING ix Industrial®,
Copper cable (round),
Pre-assembled on both sides,
PVC,
-30 °C ... +80 °C



0.2 m
0.3 m
0.4 m
0.5 m
0.7 m
1 m
1.5 m
2 m
2.5 m
3 m
5 m
7.5 m
10 m

33 48 111 1A20 002
33 48 111 1A20 003
33 48 111 1A20 004
33 48 111 1A20 005
33 48 111 1A20 007
33 48 111 1A20 010
33 48 111 1A20 015
33 48 111 1A20 020
33 48 111 1A20 025
33 48 111 1A20 030
33 48 111 1A20 050
33 48 111 1A20 075
33 48 111 1A20 100



HARTING ix Industrial®,
Copper cable (round),
Pre-assembled on both sides,
PUR (polyurethane),
-40 °C ... +80 °C



0.2 m
0.3 m
0.4 m
0.5 m
0.7 m
1 m
1.5 m
2 m
2.5 m
3 m
5 m
7.5 m
10 m

33 48 111 1A21 002
33 48 111 1A21 003
33 48 111 1A21 004
33 48 111 1A21 005
33 48 111 1A21 007
33 48 111 1A21 010
33 48 111 1A21 015
33 48 111 1A21 020
33 48 111 1A21 025
33 48 111 1A21 030
33 48 111 1A21 050
33 48 111 1A21 075
33 48 111 1A21 100

