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Эл. почта hbe@nt-rt.ru || Сайт: https://helukabel.nt-rt.ru/

COPPER CONNECTORS OVERVIEW

Plug RJ45 Industrial

· plastic housing
· IP20, light duty
· Category 5
· IEC 60603-7
· Field-processable

Plug RJ45 Industrial

· plastic housing
· IP20, light duty
· Category 5
· IEC 60603-7
· Field-processable

Plug RJ45 PROFInet IE

· Central construction
· plastic housing
· IP20, light duty
· Category 5e
· Field-processable

Plug RJ45 Industrial

· plastic housing
· IP20
· Category 5
· IEC 60603-7
· Field-processable

Plug RJ45 PROFInet IE

· Central construction
· metal housing
· IP20, light duty
· Category 5e
· Field-processable

Plug RJ45 PROFInet IE

· Angled construction
· metal housing
· IP20, light duty
· Category 5e
· Field-processable

Plug RJ45 PROFInet IE

- Angled construction
- plastic housing
- IP20, light duty
- Category 5e
- Field-processable

Plug RJ45 Snap-In IE

- Central construction
- plastic housing
- IP67, heavy duty
- Category 5

Plug RJ45 10GIG IE

- Central + Angled construction
- plastic housing
- IP20, light duty
- Category 6/ Classe EA
- Field-processable

Plug RJ45 10GIG IE

- Central construction
- metal housing
- IP20, light duty
- Category 6A
- Field-processable

Plug M12 D- /B-codet

- metal housing / plastic housing
- IP67, heavy duty
- Category 5 (IEC 61076-2-101)
- Profibus

Plug SUB-D for PROFIBUS and CAN

- 180°, 90°, 45°, 35° execution
- metal housing
- IP20, light duty
- With and Without PG
- With and Without Diagnose function
- Field-processable

Patch Cables PROFInet A

RJ45-IP20 180°

Category 5e

Type

Patch Cable RJ45-IP20 180°, PROFInet A fixed installation

Cable

Designation: PROFInet type A (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806393	green	0,5	50
806394	green	1,0	50
806395	green	2,0	50
806396	green	3,0	30
806397	green	5,0	30
806398	green	10,0	25
806399	green	15,0	10
806400	green	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for fixed installation cabling.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet A

RJ45-IP20 90°

Category 5e

Type

Patch Cable RJ45-IP20 90°, PROFInet A fixed installation

Cable

Designation: PROFInet type A (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806425	green	0,5	50
806426	green	1,0	50
806427	green	2,0	50
806428	green	3,0	30
806429	green	5,0	30
806430	green	10,0	25
806431	green	15,0	10
806432	green	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for fixed installation cabling.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

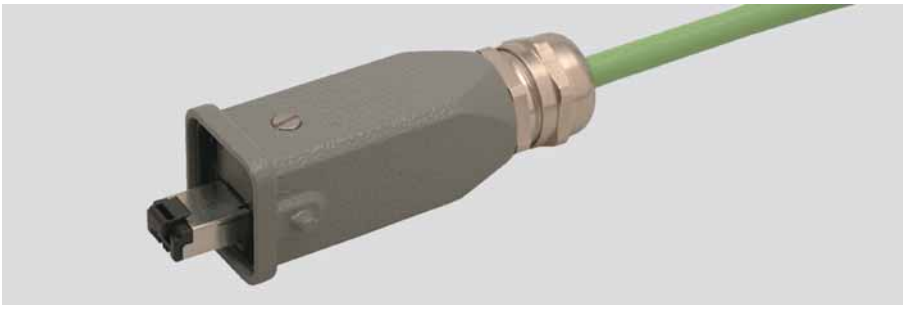
Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet A

RJ45-HAN® 3A-IP67 180°

Category 5e



Type

Patch Cable RJ45 HARTING HAN® 3A IP67, PROFInet A fixed installation

Cable

Designation: PROFInet type A (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP67
Push-on connector type 2: RJ45-connector IP67
System type: Harting IP67 HAN® 3A metal
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-3, IEC 61156-1, IEC 61156-5, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
801342	green	0,5	10
801343	green	1,0	10
801344	green	2,0	10
801345	green	3,0	10
801346	green	5,0	10
801347	green	10,0	10
801365	green	15,0	10
801366	green	50,0	5
801367	green	100,0	1

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for fixed installation cabling.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet A

RJ45-HAN® PP-IP65/67 180°

Category 5e

Type

Patch Cable RJ45 HARTING Push-Pull plastic IP65/67, PROFInet A fixed installation

Cable

Designation: PROFInet type A (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP67
Push-on connector type 2: RJ45-connector IP67
System type: Harting IP65/67 HAN® PushPull 4P plastic
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-3, IEC 61156-1, IEC 61156-5, EIA/TIA 568 B and ISO/IEC 24702 variant 14 (AIDA conform). Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
802423	green	1,5	10
802424	green	3,0	10
802425	green	5,0	10
802426	green	10,0	10
802427	green	20,0	10
802428	green	50,0	5
802429	green	100,0	1

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP65/67 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for fixed installation cabling.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet A

M12-D-IP67 180° (male)

Category 5e

Type

Patch Cable M12D-IP67 180°, PROFInet A fixed installation

Cable

Designation: PROFInet type A (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: M12-Connector bush shielded
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806457	green similar RAL 6018	0,5	50
806458	green similar RAL 6018	1,0	50
806459	green similar RAL 6018	2,0	50
806460	green similar RAL 6018	3,0	30
806461	green similar RAL 6018	5,0	30
806462	green similar RAL 6018	10,0	25
806463	green similar RAL 6018	15,0	10
806464	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for fixed installation cabling.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet A

M12-D-IP67 90° (male)

Category 5e

Type

Patch Cable M12D-IP67 90°, PROFInet A fixed installation

Cable

Designation: PROFInet type A (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: M12-Connector bend shielded
Push-on connector type 2: M12-Stecker bend shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806489	green similar RAL 6018	0,5	50
806490	green similar RAL 6018	1,0	50
806491	green similar RAL 6018	2,0	50
806492	green similar RAL 6018	3,0	30
806493	green similar RAL 6018	5,0	30
806494	green similar RAL 6018	10,0	25
806495	green similar RAL 6018	15,0	10
806496	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for fixed installation cabling.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

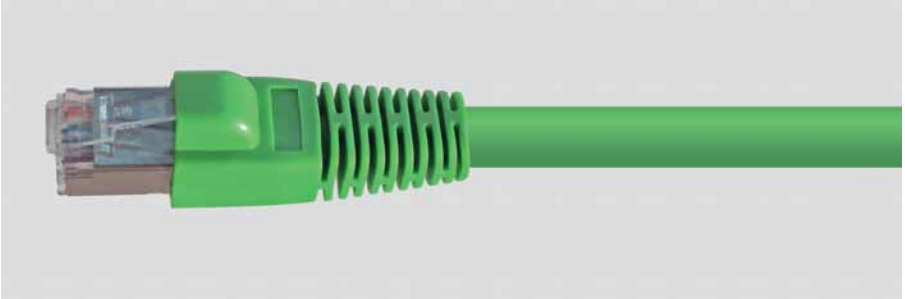
We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET flexible

RJ45-IP20 180°

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 5e



Type

Patch Cable RJ45-IP20 180°, Industrial Ethernet Cat.5e flexible application

Cable

Designation: SF/UTP 4x2xAWG 26/7 PUR
Sheath material: PUR
Frequency: up to 200 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 200 MHz acc. Category 5e, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
11007718	green similar RAL 6018	0,15	100
11007769	green similar RAL 6018	0,25	100
11007738	green similar RAL 6018	0,5	50
11007739	green similar RAL 6018	1,0	50
11007740	green similar RAL 6018	1,5	50
11007741	green similar RAL 6018	2,0	50
11007742	green similar RAL 6018	3,0	30
11007743	green similar RAL 6018	5,0	30
11007744	green similar RAL 6018	7,5	25
11007745	green similar RAL 6018	10,0	25
11007746	green similar RAL 6018	15,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for normal flexible applications.

Patch Cables PROFInet B

RJ45-IP20 180°

Category 5e

Type

Patch Cable RJ45-IP20 180°, PROFInet B flexible application

Cable

Designation: PROFInet type B (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806401	green similar RAL 6018	0,5	50
806402	green similar RAL 6018	1,0	50
806403	green similar RAL 6018	2,0	50
806404	green similar RAL 6018	3,0	30
806405	green similar RAL 6018	5,0	30
806406	green similar RAL 6018	10,0	25
806407	green similar RAL 6018	15,0	10
806408	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet B

RJ45-IP20 90°

Category 5e

Type

Patch Cable RJ45-IP20 90°, PROFInet B flexible application

Cable

Designation: PROFInet type B (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806433	green similar RAL 6018	0,5	50
806434	green similar RAL 6018	1,0	50
806435	green similar RAL 6018	2,0	50
806436	green similar RAL 6018	3,0	30
806437	green similar RAL 6018	5,0	30
806438	green similar RAL 6018	10,0	25
806439	green similar RAL 6018	15,0	10
806440	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET flexible

RJ45-IP20 180°

Category 5e

Type

Patch Cable RJ45-IP20 180°, Industrial Ethernet Cat.5e flexible application

Cable

Designation: SF/UTP 4x2xAWG 26/7 PUR
Sheath material: PUR
Frequency: up to 200 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 200 MHz acc. Category 5e, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806532	grey similar RAL 7035	0,5	50
806533	grey similar RAL 7035	1,0	50
806534	grey similar RAL 7035	2,0	50
806535	grey similar RAL 7035	3,0	30
806536	grey similar RAL 7035	5,0	30
806537	grey similar RAL 7035	10,0	25
806538	grey similar RAL 7035	15,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done..

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet B

M12-D-IP67 180° (male)

Category 5e

Type

Patch Cable M12D-IP67 180°, PROFInet B flexible application

Cable

Designation: PROFInet type B (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: M12-Connector bush shielded
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806465	green similar RAL 6018	0,5	50
806466	green similar RAL 6018	1,0	50
806467	green similar RAL 6018	2,0	50
806468	green similar RAL 6018	3,0	30
806469	green similar RAL 6018	5,0	30
806470	green similar RAL 6018	10,0	25
806471	green similar RAL 6018	15,0	10
806472	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet B

M12-D-IP67 90° (male)

Category 5e

Type

Patch Cable M12D-IP67 90°, PROFInet B flexible application

Cable

Designation: PROFInet type B (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: M12-Connector bend shielded
Push-on connector type 2: M12-Stecker bend shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806497	green similar RAL 6018	0,5	50
806498	green similar RAL 6018	1,0	50
806499	green similar RAL 6018	2,0	50
806500	green similar RAL 6018	3,0	30
806501	green similar RAL 6018	5,0	30
806502	green similar RAL 6018	10,0	25
806503	green similar RAL 6018	15,0	10
806504	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET flexible

M12-D-IP67 180° (male)

Category 5e

Type

Patch Cable M12-D coded-IP67 180°, Industrial Ethernet flexible application

Cable

Designation: SF/UTP 4x2xAWG 26/7 PUR
Sheath material: PUR
Frequency: up to 200 MHz

Plug

Push-on connector type 1: M12-Connector bush shielded
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT CONNECTING SYSTEMS® to 200 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-101 and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806539	grey similar RAL 7035	0,5	50
806540	grey similar RAL 7035	1,0	50
806541	grey similar RAL 7035	2,0	50
806542	grey similar RAL 7035	3,0	30
806543	grey similar RAL 7035	5,0	30
806544	grey similar RAL 7035	10,0	25
806545	grey similar RAL 7035	15,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

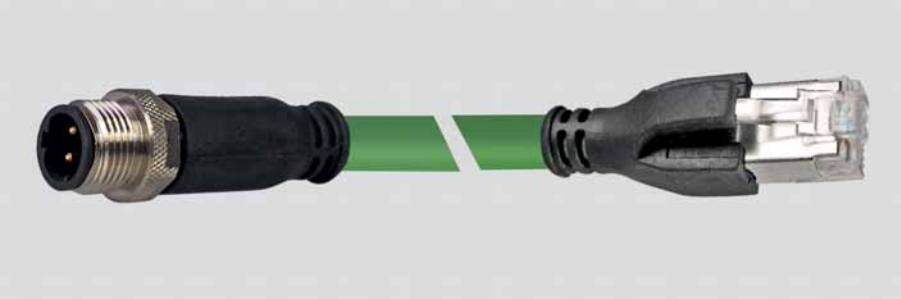
Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet B

RJ45-IP20 180° to M12-D-IP67 180° (male)

Category 5e



Type

Patch Cable RJ45-IP20 180°/ M12-D-IP67 180°, PROFInet B flexible application

Cable

Designation: PROFInet type B (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® RJ45/ M12 D-coded
Pin assignment: 1:1 acc. TIA/EIA 568 B resp. D-coded acc. DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, EIA/TIA 568 B, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806521	green similar RAL 6018	5,0	30
806522	green similar RAL 6018	10,0	25
806523	green similar RAL 6018	20,0	25
806524	green similar RAL 6018	25,0	5
806525	green similar RAL 6018	40,0	1
806526	green similar RAL 6018	50,0	1
806527	green similar RAL 6018	60,0	1
806528	green similar RAL 6018	70,0	1
806529	green similar RAL 6018	80,0	1
806530	green similar RAL 6018	90,0	1
806531	green similar RAL 6018	100,0	1

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 and IP67 protected ethernet applications according ISO/IEC 11801 with RJ45 and M12 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables other combinations or other types of plugs.

Patch Cables PROFInet C (PUR)

RJ45-IP20 180°

Category 5e

Type

Patch Cable RJ45-IP20 180°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PUR
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806409	green similar RAL 6018	0,5	50
806410	green similar RAL 6018	1,0	50
806411	green similar RAL 6018	2,0	50
806412	green similar RAL 6018	3,0	30
806413	green similar RAL 6018	5,0	30
806414	green similar RAL 6018	10,0	25
806415	green similar RAL 6018	15,0	10
806416	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Light-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PUR)

RJ45-IP20 90°

Category 5e

Type

Patch Cable RJ45-IP20 180°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PUR
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806449	green similar RAL 6018	0,5	50
806450	green similar RAL 6018	1,0	50
806451	green similar RAL 6018	2,0	50
806452	green similar RAL 6018	3,0	30
806453	green similar RAL 6018	5,0	30
806454	green similar RAL 6018	10,0	25
806455	green similar RAL 6018	15,0	10
806456	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Light-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PUR)

RJ45-HAN® 3A-IP67 180°

Category 5e

Type

Patch Cable RJ45 HARTING HAN® 3A IP67, PROFInet C drag chain

Cable

Designation: PROFInet type C (SK)
Sheath material: PUR
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP67
Push-on connector type 2: RJ45-connector IP67
System type: Harting IP67 HAN® 3A metal
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-3, IEC 61156-1, IEC 61156-6, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
801332	green	0,5	10
801333	green	1,0	10
801334	green	2,0	10
801335	green	3,0	10
801336	green	5,0	10
801337	green	10,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PUR)

RJ45-HAN® PP-IP65/67 180°

Category 5e

Type

Patch Cable RJ45 HARTING Push-Pull IP67, PROFInet C drag chain

Cable

Designation: PROFInet type C (SK)
Sheath material: PUR
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP67
Push-on connector type 2: RJ45-connector IP67
System type: Harting IP65/67 HAN® PushPull 4P plastic
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Categorie 5, ISO 11801 (2002), EN 50173-1, IEC 61156-1, IEC 61156-6, EIA/TIA 568 B and ISO/IEC 24702 - variant 14 (AIDA konform). Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
802395	green	0,5	10
802396	green	1,0	10
802397	green	2,0	10
802398	green	3,0	10
802399	green	5,0	10
802400	green	10,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PUR)

M12-D-IP67 180° (male)

Category 5e

Type

Patch Cable M12-D coded-IP67 180°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PUR
Frequency: up to 100 MHz

Plug

Push-on connector type 1: M12-Connector bush shielded
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806481	green similar RAL 6018	0,5	50
806482	green similar RAL 6018	1,0	50
806483	green similar RAL 6018	2,0	50
806484	green similar RAL 6018	3,0	30
806485	green similar RAL 6018	5,0	30
806486	green similar RAL 6018	10,0	25
806487	green similar RAL 6018	15,0	10
806488	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PUR)

M12-D-IP67 90° (male)

Category 5e

Type

Patch Cable M12-D coded-IP67 90°, PROFInet C high flexible application

Cable

Designation:	PROFInet type C (SK)
Sheath material:	PUR
Frequency:	up to 100 MHz

Plug

Push-on connector type 1:	M12-Connector bend shielded
Push-on connector type 2:	M12-Stecker bend shielded
System type:	HELUKAT® M12 D-coded
Pin assignment:	D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806505	green similar RAL 6018	0,5	50
806506	green similar RAL 6018	1,0	50
806507	green similar RAL 6018	2,0	50
806508	green similar RAL 6018	3,0	30
806509	green similar RAL 6018	5,0	30
806510	green similar RAL 6018	10,0	25
806511	green similar RAL 6018	15,0	10
806512	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PUR)

RJ45-IP20 180° to M12-D-IP67 180° (male)

Category 5e

Type

Patch Cable RJ45-IP20 180°/ M12-D-IP67 180°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PUR
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® RJ45/ M12 D-coded
Pin assignment: 1:1 acc. TIA/EIA 568 B resp. D-coded acc. DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
11008341	green similar RAL 6018	0,5	50
11008342	green similar RAL 6018	1,0	50
11008343	green similar RAL 6018	2,0	50
11008344	green similar RAL 6018	3,0	30
11008345	green similar RAL 6018	5,0	30
11008346	green similar RAL 6018	10,0	25
11008347	green similar RAL 6018	15,0	10
11008348	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 and IP67 protected ethernet applications according ISO/IEC 11801 with RJ45 and M12 kodiert plugs. Usable for permanent flexible applications. The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Light-Duty“ to "Heavy-Duty"range.

Options

We also can deliver other cable length, cross-over cables other combinations or other types of plugs.

Patch Cables PROFInet C (PVC)

RJ45-IP20 180°

Category 5e

Type

Patch Cable RJ45-IP20 180°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806417	green similar RAL 6018	0,5	50
806418	green similar RAL 6018	1,0	50
806419	green similar RAL 6018	2,0	50
806420	green similar RAL 6018	3,0	30
806421	green similar RAL 6018	5,0	30
806422	green similar RAL 6018	10,0	25
806423	green similar RAL 6018	15,0	10
806424	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 1 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Light-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs

Patch Cables PROFInet C (PVC)

RJ45-IP20 90°

Category 5e

Type

Patch Cable RJ45-IP20 90°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806441	green similar RAL 6018	0,5	50
806442	green similar RAL 6018	1,0	50
806443	green similar RAL 6018	2,0	50
806444	green similar RAL 6018	3,0	30
806445	green similar RAL 6018	5,0	30
806446	green similar RAL 6018	10,0	25
806447	green similar RAL 6018	15,0	10
806448	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 1 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Light-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs

Patch Cables PROFInet C (PVC)

M12-D-IP67 180° (male)

Category 5e

Type

Patch Cable M12-D coded-IP67 180°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: M12-Connector bush shielded
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6,DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806473	green similar RAL 6018	0,5	50
806474	green similar RAL 6018	1,0	50
806475	green similar RAL 6018	2,0	50
806476	green similar RAL 6018	3,0	30
806477	green similar RAL 6018	5,0	30
806478	green similar RAL 6018	10,0	25
806479	green similar RAL 6018	15,0	10
806480	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 1 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PVC)

M12-D-IP67 90° (male)

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 5e

Type

Patch Cable M12-D coded-IP67 90°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: M12-Connector bend shielded
Push-on connector type 2: M12-Stecker bend shielded
System type: HELUKAT® M12 D-coded
Pin assignment: D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806513	green similar RAL 6018	0,5	50
806514	green similar RAL 6018	1,0	50
806515	green similar RAL 6018	2,0	50
806516	green similar RAL 6018	3,0	30
806517	green similar RAL 6018	5,0	30
806518	green similar RAL 6018	10,0	25
806519	green similar RAL 6018	15,0	10
806520	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for permanent flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 1 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Heavy-Duty" range.

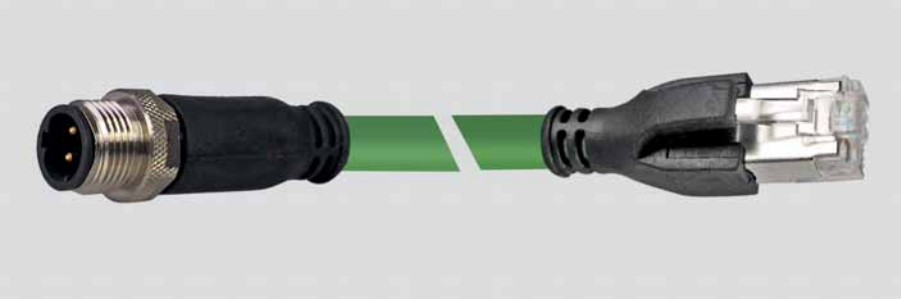
Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables PROFInet C (PVC)

RJ45-IP20 180° to M12-D-IP67 180° (male)

Category 5e



Type

Patch Cable RJ45-IP20 180°/ M12-D-IP67 180°, PROFInet C high flexible application

Cable

Designation: PROFInet type C (SK)
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: M12-Stecker bush shielded
System type: HELUKAT® RJ45/ M12 D-coded
Pin assignment: 1:1 acc. TIA/EIA 568 B resp. D-coded acc. DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-3

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT CONNECTING SYSTEMS® to 100 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B, DKE/IEC 61076-2-101 and IEC 61918. Support the PROFInet guideline V4.0 (2017).

Preferred types

Part no.	Sheath colour	Length in metres	Unit
11007406	green similar RAL 6018	0,5	50
11007407	green similar RAL 6018	1,0	50
11007408	green similar RAL 6018	2,0	50
11007409	green similar RAL 6018	3,0	30
11007410	green similar RAL 6018	5,0	30
11007411	green similar RAL 6018	10,0	25
11007412	green similar RAL 6018	15,0	10
11007413	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 and IP67 protected ethernet applications according ISO/IEC 11801 with RJ45 and M12 kodiert plugs. Usable for permanent flexible applications. The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 240 m/min maximum
- Movement distance 10 m maximum
- Accelaration 4 m/s² maximum
- Cycles maximum 1 Mio.
- Temperature range from -20°C to +75°C
- Transmission rate maximum 100 Mbit/s
- Transmission distance maximum 85 m from the Hub to the receiver
- Suitable for the „Light to Heavy-Duty“ range.

Options

We also can deliver other cable length, cross-over cables other combinations or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

RJ45-IP20 180°

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 5e

Type

Patch Cable RJ45-IP20 180°, Industrial Ethernet high flexible application

Cable

Designation: LAN Industry SF/UTP 4x2x0,15 PUR
Sheath material: PUR
Frequency: up to 155 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT CONNECTING SYSTEMS® to 155 MHz acc. Category 5e, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806546	green similar RAL 6018	0,5	50
806547	green similar RAL 6018	1,0	50
806548	green similar RAL 6018	2,0	50
806549	green similar RAL 6018	3,0	30
806550	green similar RAL 6018	5,0	30
806551	green similar RAL 6018	10,0	25
806552	green similar RAL 6018	15,0	10
806553	green similar RAL 6018	20,0	5
806554	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent moving applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance 4,5 m maximum
- Accelaration 5 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -25°C to +80°C
- Transmission rate maximum 100 Mbit/s
- Suitable for the „Light-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

RJ45-IP20 90°

Category 5e

Type

Patch Cable RJ45-IP20 90°, Industrial Ethernet high flexible application

Cable

Designation: LAN Industry SF/UTP 4x2x0,15 PUR
Sheath material: PUR
Frequency: up to 155 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat.5e
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 155 MHz acc. Category 5e, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806555	green similar RAL 6018	0,5	50
806556	green similar RAL 6018	1,0	50
806557	green similar RAL 6018	2,0	50
806558	green similar RAL 6018	3,0	30
806559	green similar RAL 6018	5,0	30
806560	green similar RAL 6018	10,0	25
806561	green similar RAL 6018	15,0	10
806562	green similar RAL 6018	20,0	5
806563	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent moving applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance 4,5 m maximum
- Accelaration 5 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -25°C to +80°C
- Transmission rate maximum 100 Mbit/s
- Suitable for the „Light-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

M12-D-IP67 180° (male)

Category 5e

Type

Patch Cable M12-D coded-IP67 180°, Industrial Ethernet high flexible application

Cable

Designation:	LAN Industry SF/UTP 4x2x0,15 PUR
Sheath material:	PUR
Frequency:	up to 155 MHz

Plug

Push-on connector type 1:	M12-Connector bush shielded
Push-on connector type 2:	M12-Stecker bush shielded
System type:	HELUKAT® M12 D-coded
Pin assignment:	D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 155 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-101 and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806564	green similar RAL 6018	0,5	50
806565	green similar RAL 6018	1,0	50
806566	green similar RAL 6018	2,0	50
806567	green similar RAL 6018	3,0	30
806568	green similar RAL 6018	5,0	30
806569	green similar RAL 6018	10,0	25
806570	green similar RAL 6018	15,0	10
806571	green similar RAL 6018	20,0	5
806572	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for permanent moving applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance 4,5 m maximum
- Accelaration 5 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -25°C to +80°C
- Transmission rate maximum 100 Mbit/s
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

M12-D-IP67 90° (male)

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 5e

Type

Patch Cable M12-D coded-IP67 90°, Industrial Ethernet high flexible application

Cable

Designation:	LAN Industry SF/UTP 4x2x0,15 PUR
Sheath material:	PUR
Frequency:	up to 155 MHz

Plug

Push-on connector type 1:	M12-Connector bend shielded
Push-on connector type 2:	M12-Stecker bend shielded
System type:	HELUKAT® M12 D-coded
Pin assignment:	D-coded according to DKE/IEC 61076-2-101

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 155 MHz acc. Category 5, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-101 and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806573	green similar RAL 6018	0,5	50
806574	green similar RAL 6018	1,0	50
806575	green similar RAL 6018	2,0	50
806576	green similar RAL 6018	3,0	30
806577	green similar RAL 6018	5,0	30
806578	green similar RAL 6018	10,0	25
806579	green similar RAL 6018	15,0	10
806580	green similar RAL 6018	20,0	5
806581	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12 plugs. Usable for permanent moving applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 7,5 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance4,50 m maximum
- Accelaration 5 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -25°C to +80°C
- Transmission rate maximum 100 Mbit/s
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET extraflex

RJ45-IP20 180°

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 6A

Type

Patch Cable RJ45-IP20 180°, Industrial Ethernet Cat.6A extra flexible applications

Cable

Designation: S/FTP 4x2xAWG 26/7 LSZH
Sheath material: LSZH
Frequency: up to 500 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
System type: HELUKAT® RJ45 Cat 6A
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
11007747	green similar RAL 6018	0,15	100
11007748	green similar RAL 6018	0,25	100
11007749	green similar RAL 6018	0,5	50
11007750	green similar RAL 6018	1,0	50
11007751	green similar RAL 6018	1,5	50
11007752	green similar RAL 6018	2,0	50
11007753	green similar RAL 6018	3,0	30
11007754	green similar RAL 6018	5,0	30
11007755	green similar RAL 6018	7,5	25
11007756	green similar RAL 6018	10,0	25
11007757	green similar RAL 6018	15,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for normal extra flexible applications.

Patch Cables INDUSTRIAL ETHERNET flexible

RJ45-IP20 180°

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 6A

Type

Patch Cable RJ45-IP20 180°, Industrial Ethernet Cat.6A normal flexible application

Cable

Designation:	S/FTP 4x2xAWG 26/7 PUR, UL
Sheath material:	PUR
Frequency:	up to 600 MHz

Plug

Push-on connector type 1:	RJ45-connector IP20
Push-on connector type 2:	RJ45-connector IP20
System type:	HELUKAT® RJ45 Cat 6A
Pin assignment:	1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806618	green similar RAL 6018	0,5	50
806619	green similar RAL 6018	1,0	50
806620	green similar RAL 6018	2,0	50
806621	green similar RAL 6018	3,0	30
806622	green similar RAL 6018	5,0	30
806623	green similar RAL 6018	10,0	25
806624	green similar RAL 6018	15,0	10
806625	green similar RAL 6018	20,0	5
806626	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET flexible

RJ45-IP20 90°

Category 6A

Type

Patch Cable RJ45-IP20 90°, Industrial Ethernet Cat.6A normal flexible application

Cable

Designation: S/FTP 4x2xAWG 26/7 PUR, UL
Sheath material: PUR
Frequency: up to 600 MHz

Plug

Push-on connector type 1: RJ45-connector IP20
Push-on connector type 2: RJ45-connector IP20
System type: HELUKAT® RJ45 Cat 6A
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806627	green similar RAL 6018	0,5	50
806628	green similar RAL 6018	1,0	50
806629	green similar RAL 6018	2,0	50
806630	green similar RAL 6018	3,0	30
806631	green similar RAL 6018	5,0	30
806632	green similar RAL 6018	10,0	25
806633	green similar RAL 6018	15,0	10
806634	green similar RAL 6018	20,0	5
806635	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET flexible

M12-X-IP67 180° (male)

Category 6A

Type

Patch Cable M12-X coded 180°, Industrial Ethernet Cat.6A normal flexible application

Cable

Designation:	S/FTP 4x2xAWG 26/7 PUR, UL
Sheath material:	PUR
Frequency:	up to 600 MHz

Plug

Push-on connector type 1:	M12-Connector bush shielded
Push-on connector type 2:	M12-Stecker bush shielded
System type:	HELUKAT® M12 X-coded
Pin assignment:	X-coded acc. DKE/IEC 61076-2-109

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, DKE/IEC 61076-2-109 and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806636	green similar RAL 6018	0,5	50
806637	green similar RAL 6018	1,0	50
806638	green similar RAL 6018	2,0	50
806639	green similar RAL 6018	3,0	30
806640	green similar RAL 6018	5,0	30
806641	green similar RAL 6018	10,0	25
806642	green similar RAL 6018	15,0	10
806643	green similar RAL 6018	20,0	5
806644	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12-X coded plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET flexible

M12-X-IP67 90° (male)

Category 6A

Type

Patch Cable M12-X coded 90°, Industrial Ethernet Cat.6A normal flexible application

Cable

Designation: S/FTP 4x2xAWG 26/7 PUR, UL
Sheath material: PUR
Frequency: up to 600 MHz

Plug

Push-on connector type 1: M12-Connector bend shielded
Push-on connector type 2: M12-Stecker bend shielded
System type: HELUKAT® M12 X-coded
Pin assignment: X-coded acc. DKE/IEC 61076-2-109

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-5, DKE/IEC 61076-2-109 and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806645	green similar RAL 6018	0,5	50
806646	green similar RAL 6018	1,0	50
806647	green similar RAL 6018	2,0	50
806648	green similar RAL 6018	3,0	30
806649	green similar RAL 6018	5,0	30
806650	green similar RAL 6018	10,0	25
806651	green similar RAL 6018	15,0	10
806652	green similar RAL 6018	20,0	5
806653	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12-X coded plugs. Usable for normal flexible applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

RJ45-IP20 180°

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 6A

Type

Patch Cable RJ45-IP20 180°, Industrial Ethernet Cat.6A high flexible application

Cable

Designation:	SF/FTP 4x2xAWG 26/7 PUR
Sheath material:	PUR
Frequency:	up to 500 MHz

Plug

Push-on connector type 1:	RJ45-connector IP20
Push-on connector type 2:	RJ45-connector IP20
System type:	Harting IP20 RJ Industrial 8P
Pin assignment:	1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806582	green similar RAL 6018	0,5	50
806583	green similar RAL 6018	1,0	50
806584	green similar RAL 6018	2,0	50
806585	green similar RAL 6018	3,0	30
806586	green similar RAL 6018	5,0	30
806587	green similar RAL 6018	10,0	25
806588	green similar RAL 6018	15,0	10
806589	green similar RAL 6018	20,0	5
806590	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent moving applications.

- Drag chain suitable
- Bending radius 15 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance 4,5 m maximum
- Accelaration 3 m/s² maximum
- Cycles maximum 2 Mio.
- Temperature range from -10°C to +70°C
- Transmission rate maximum 10 Gbit/s (length limited)
- Suitable for the „Light-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

RJ45-IP20 90°

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 6A

Type

Patch Cable RJ45-IP20 90°, Industrial Ethernet Cat.6A high flexible application

Cable

Designation:	SF/FTP 4x2xAWG 26/7 PUR
Sheath material:	PUR
Frequency:	up to 500 MHz

Plug

Push-on connector type 1:	RJ45-connector IP20
Push-on connector type 2:	RJ45-connector IP20
System type:	Harting IP20 RJ Industrial 8P
Pin assignment:	1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, EIA/TIA 568 B and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806591	green similar RAL 6018	0,5	50
806592	green similar RAL 6018	1,0	50
806593	green similar RAL 6018	2,0	50
806594	green similar RAL 6018	3,0	30
806595	green similar RAL 6018	5,0	30
806596	green similar RAL 6018	10,0	25
806597	green similar RAL 6018	15,0	10
806598	green similar RAL 6018	20,0	5
806599	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP20 protected ethernet applications according ISO/IEC 11801 with RJ45 plugs. Usable for permanent moving applications.

- Drag chain suitable
- Bending radius 15 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance 4,5 m maximum
- Accelaration 3 m/s² maximum
- Cycles maximum 2 Mio.
- Temperature range from -10°C to +70°C
- Transmission rate maximum 10 Gbit/s (length limited)
- Suitable for the „Light-Duty" range

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

M12-X-IP67 180° (male)

HELUKAT® CONNECTING SYSTEMS INDUSTRY

Category 6A

Type

Patch Cable M12-X coded-IP67 180°, Industrial Ethernet Cat.6A high flexible application

Cable

Designation:	SF/FTP 4x2xAWG 26/7 PUR
Sheath material:	PUR
Frequency:	up to 500 MHz

Plug

Push-on connector type 1:	M12-Connector bush shielded
Push-on connector type 2:	M12-Stecker bush shielded
System type:	HELUKAT® M12 X-coded
Pin assignment:	X-coded acc. DKE/IEC 61076-2-109

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-109 and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806600	green similar RAL 6018	0,5	50
806601	green similar RAL 6018	1,0	50
806602	green similar RAL 6018	2,0	50
806603	green similar RAL 6018	3,0	30
806604	green similar RAL 6018	5,0	30
806605	green similar RAL 6018	10,0	25
806606	green similar RAL 6018	15,0	10
806607	green similar RAL 6018	20,0	5
806608	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12-X coded plugs. Usable for permanent moving applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 15 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance 4,5 m maximum
- Accelaration 3 m/s² maximum
- Cycles maximum 2 Mio.
- Temperature range from -10°C to +70°C
- Transmission rate maximum 10 Gbit/s (length limited)
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables INDUSTRIAL ETHERNET high flexible

M12-X-IP67 90° (male)

Category 6A

Type

Patch Cable M12-X coded-IP67 90°, Industrial Ethernet Cat.6A high flexible application

Cable

Designation: SF/FTP 4x2xAWG 26/7 PUR
Sheath material: PUR
Frequency: up to 500 MHz

Plug

Push-on connector type 1: M12-Connector bend shielded
Push-on connector type 2: M12-Stecker bend shielded
System type: HELUKAT® M12 X-coded
Pin assignment: X-coded acc. DKE/IEC 61076-2-109

Flame proof

acc. to IEC 60332-1-2

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKAT® CONNECTING SYSTEMS® to 500 MHz acc. Category 6A, ISO 11801 (2002), EN 50173-3, IEC61156-1, IEC61156-6, DKE/IEC 61076-2-109 and IEC 61918.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806609	green similar RAL 6018	0,5	50
806610	green similar RAL 6018	1,0	50
806611	green similar RAL 6018	2,0	50
806612	green similar RAL 6018	3,0	30
806613	green similar RAL 6018	5,0	30
806614	green similar RAL 6018	10,0	25
806615	green similar RAL 6018	15,0	10
806616	green similar RAL 6018	20,0	5
806617	green similar RAL 6018	25,0	5

Dimensions and specifications may be changed without prior notice.

Characteristics

Jumper cable for the connection between IP67 protected ethernet applications according ISO/IEC 11801 with M12-X coded plugs. Usable for permanent moving applications.
The special plastic compound which is used for this plug series is good resistant against chemical and oil. Connected to special applications an individual evaluation from our consultants should be done.

- Drag chain suitable
- Bending radius 15 x cable outerdiameter maximum
- Moving speed 180 m/min maximum
- Movement distance 4,5 m maximum
- Accelaration 3 m/s² maximum
- Cycles maximum 2 Mio.
- Temperature range from -10°C to +70°C
- Transmission rate maximum 10 Gbit/s (length limited)
- Suitable for the „Heavy-Duty" range.

Options

We also can deliver other cable length, cross-over cables or other types of plugs.

Patch Cables USB INDUSTRY

Plug type A

USB 2.0

Type

USB 2.0 A patch cable, industrial USB – drag chain application.

Cable

Designation: USB 2.0 shielded cable PUR, up to 5,0m
Sheath material: PUR
Frequency: up to 400 MHz

Plug

Push-on connection 1: USB A
Push-on connection 2: USB A

Flame proof

Acc. to IEC 60332-1-2

Norms and standards

HELUKABEL® CONNECTING SYSTEMS® system components to 400 MHz in compliance with USB 2.0 Standard. Suitable for applications such as image processing (e.g. surveillance cameras), metrology and control technology.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
802464	violet	0,5	10
802465	violet	1,0	10
802466	violet	2,0	10
802467	violet	3,0	10
802468	violet	5,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

- Suitable for use as a patch cable in harsh environments
- Suitable for drag chain and other constantly moving applications
- Application temperature from -20°C to +60°C
- High-speed data transmission rate to max. 480 Mbit/s
- 5.0m maximum transmission distance to terminal device.
- Suitable for light duty applications.

Options

Naturally, we also offer other lengths and connector types for IP applications on request.

Patch Cables PROFIBUS high flexible

M12-B 180° (male)

Type

Patch Cable M12 for Profibus RS 485, drag chain

Cable

Designation: Profibus 1x2x0,64 (strand) drag chain
Sheath material: PUR
Frequency: up to 16 MHz

Plug

Push-on connector type 1: M12-Connector bush shielded
Push-on connector type 2: M12-Buchse bush shielded
Pin assignment: B-coded according to DKE/IEC 61076-2-101

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKABEL® CONNECTING SYSTEMS® for applications of Profibus RS 485. Plug according IEC 61076-2-101-A1. Support the EN50170.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
800812	violet similar RAL 4001	0,3	10
800813	violet similar RAL 4001	1,0	10
800814	violet similar RAL 4001	2,0	10
800815	violet similar RAL 4001	3,0	10
800816	violet similar RAL 4001	5,0	10
800817	violet similar RAL 4001	10,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

- Drag chain suitable
- Bending radius 10 x cable outerdiameter maximum
- Moving speed 200 m/min maximum
- Movement distance 5 m maximum
- Accelaration 5 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -25°C to +70°C
- Transmission rate maximum 3,6 re. 12 Mbit/s
- Segment distance maximum 100 m
- PIN 2 (A) = green, PIN 4 (B) = red, screen terminated on the nut and on PIN 5
- Suitable for the „Heavy-Duty" range

Options

We also can deliver other cable length, other pin codes or other types of plugs like SUB-D.

Patch Cables PROFIBUS high flexible

M12-B 90° (male)

Type

Patch Cable M12W for Profibus RS 485, drag chain

Cable

Designation: Profibus 1x2x0,64 (strand) drag chain
Sheath material: PUR
Frequency: up to 16 MHz

Plug

Push-on connector type 1: M12-Connector bend shielded
Push-on connector type 2: M12-Buchse bend shielded
Pin assignment: B-coded according to DKE/IEC 61076-2-101

Oil-resistant

Acc. to EN60811-2-1

Norms and standards

Components of HELUKABEL® CONNECTING SYSTEMS® for applications of Profibus RS 485. Plug according IEC 61076-2-101-A1. Support the EN50170.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
800818	violet similar RAL 4001	0,3	10
800819	violet similar RAL 4001	1,0	10
800820	violet similar RAL 4001	2,0	10
800821	violet similar RAL 4001	3,0	10
800822	violet similar RAL 4001	5,0	10
800823	violet similar RAL 4001	10,0	10

Dimensions and specifications may be changed without prior notice.

Characteristics

- Drag chain suitable
- Bending radius 10 x cable outerdiameter maximum
- Moving speed 200 m/min maximum
- Movement distance 5 m maximum
- Accelaration 5 m/s² maximum
- Cycles maximum 5 Mio.
- Temperature range from -25°C to +70°C
- Transmission rate maximum 3,6 re. 12 Mbit/s
- Segment distance maximum 100 m
- PIN 2 (A) = green, PIN 4 (B) = red, screen terminated on the nut and on PIN 5
- Suitable for the „Heavy-Duty" range

Options

We also can deliver other cable length, other pin codes or other types of plugs like SUB-D.

RJ45 COPPER CONNECTOR

Category	Housing	Connector	Pin	Helukabel Part no.	Core Ø	Cable ø	AWG Sld.	AWG Strd.	UL	Class	Standard
Cat 5	Plastic	straight	4	800986	max. 1,6 mm	6,1-6,9 mm	22-23	22-24/7	N/A	IP20	Profinet
	Plastic	straight	4	803841		4,5-8,0 mm	22-26	22-26/7	N/A		Profinet
	Plastic	straight	8	802920		4,5-8,0 mm	22-26/7		yes		TIA-568A
	Plastic	90° angle	8	804234		4,5-8,0 mm	23-26	26-23/7	yes		TIA-568A
	Metal	straight - metal	4	805401		6,3-6,7 mm	22-24		N/A		Profinet
	Metal	90° angle - metal	4	805402		6,3-6,7 mm			N/A		Profinet
	Plastic	straight	4	805781		4,5-9,0 mm	22-24	22-27	N/A		Profinet
	Plastic	45° angle	4	805782		4,5-8,0 mm			N/A		Profinet
Cat 6	Plastic	straight	8	801318	k. A.	5,0-8,5 mm	24	24-26	N/A	IP67	TIA-568A/B
Cat 6EA	Plastic	straight	8	805783	max. 1,6 mm	4,5-9,0 mm	22-24	22-27	N/A	IP20	Aufkleber
	Plastic	45° angle	8	805784		4,5-8,0 mm			N/A		Aufkleber
Cat 6A	Metal	straight - metal	8	804544		5,0-9,5 mm	22-26	22-27/7	N/A		TIA-568A

M12 COPPER CONNECTOR

803894

805958

805966

806205

805967

805959

806206

805960

Category	Housing	Connector	Pin	Helukabel Part no.	Core Ø	Cable ø	AWG Sld.	AWG Strd.	UL	Class	Standard
Cat 5 D-coded	Metal	straight	4	803894	1,0-1,6mm	4,0-8,0mm	22-26		N/A	IP67	TIA-568B
	Metal	90° angle	4	805958					N/A		TIA-568B
	Metal	straight	4	805966					N/A		Profinet
	Metal	straight	4	806205	0,75-2,0mm	5,0-9,7mm	20-24		N/A		Profinet
	Metal	90° angle	4	805967	max. 1,6mm	4,0-8,0mm	22-26		N/A		Profinet
Cat 6A D-coded	Metal	straight	8	805959	k. A.		26		yes		S.U.
	Metal	straight	8	806206	0,75-2,0mm	5,0-9,7mm	22-26		N/A		S.U.
	Metal	90° angle	8	805960	k. A.	4,0-8,0mm	26		yes		S.U.
Profibus B-coded	Metal	straight	2	801774			20-26		yes		Profibus
	Metal	90° angle	2	805964					yes		Profibus

Copper Connecting Technics

PROFIBUS Plugs SUB-D

Type

PROFIBUS connectors

Cage

Model:	Plug
Number of poles:	9
Contact design:	male
Housing material:	metalized plastic

Technical details

Protection classification (IP):	20
Suitable for core diameter:	0,64 mm
max. transmission rate:	12
max. current drain:	0,0125 A
terminating impedance:	yes
Operating temperature range min.:	0°C
Operating temperature range max.:	+60°C

Plug types

Part no.	Out-going cable	Pro-gramming inter-face	Dia-gnos-tics mode	Connection type	Suitable for cable structure	Suitable for core type	Dimensions in mm	Unit
802401	90°	-	-	Screwing terminal	-	solid/litz	64 x 40 x 17	10
803845	90°	-	yes	Screwing terminal	-	solid/litz	64 x 40 x 17	10
802402	90°	yes	-	Screwing terminal	-	solid/litz	64 x 40 x 17	10
803844	90°	yes	yes	Screwing terminal	-	solid/litz	64 x 40 x 17	10
802406	90°	-	-	Crimp	SK/FC	solid/litz	72 x 40 x 17	10
803195	90°	-	yes	Crimp	SK/FC	solid/litz	64 x 40 x 17	10
802407	90°	yes	-	Crimp	SK/FC	solid/litz	72 x 40 x 17	10
803194	90°	yes	yes	Crimp	SK/FC	solid/litz	64 x 40 x 17	10
803356	45°	-	-	Crimp	SK/FC	solid	95 x 70 x 17	10
803576	45°	-	-	Crimp	SK/FC	litz	72 x 40 x 17	10
803357	45°	yes	-	Crimp	SK/FC	solid	72 x 40 x 17	10
803577	45°	yes	-	Crimp	SK/FC	litz	72 x 40 x 17	10
802403	35°	-	-	Screwing terminal	-	solid/litz	54 x 40 x 17	10
802404	35°	yes	-	Screwing terminal	-	solid/litz	54 x 40 x 17	10
802405	axial	-	-	Screwing terminal	-	solid/litz	68 x 39,5 x 17	10
803208	axial	-	-	Crimp	SK/FC	solid/litz	70 x 35 x 17	10

Dimensions and specifications may be changed without prior notice.

Application

The compact design of the bus connectors from the series HELUKABEL® CONNECTING SYSTEMS makes them suitable for use in nearly all Siemens CPU types. A slide switch sets whether the connector will be used as a node or end of segment. The switch can also be operated when the connector is plugged. The switch setting is clearly visible.

Included in delivery

SUB-D plug 9 poles, housing and assembly instructions.

Options

We also deliver connectors for other systems like CAN-Bus, DeviceNet or Interbus on request.

Copper Connecting Technics

PROFIBUS Adapter M12/ SUB-D

Type

Adaptor Profibus Sub-D/M12 with and without PG

Cage

Model: Adaptor
Contact design: Sub-D / M12
Housing material: metalized plastic

Technical details

Protection classification (IP): 20

max. transmission rate: 12
max. current drain: 0,0125 A
terminating impedance: yes

Operating temperature range min.: -25°C
Operating temperature range max.: +85°C

Plug types

Part no.	Out-going cable	PG-Connection Jack PG-Connection Jack	Dia-gnos-tics mode	Connection type	Dimensions in mm	Unit
805194	90°	-	-	M12	70 x 41 x 17	10
805195	90°	yes	-	M12 + Sub-D	70 x 41 x 17	10
805709	90°	yes	yes	M12 + Sub-D	70 x 41 x 17	10

Dimensions and specifications may be changed without prior notice.

Application

PROFIBUS adaptor Sub-D / M12 will be used for interconnection with harnessed M12 cables. This will avoid interconnection failures and the time for installation is reduced to a minimum.
This adaptor has two M12 interfaces and integrated termination resitors which can be selected under installed condition.
The housing is metallized for an improved EMV resistance.
Availiable with and without PG connector (Sub-D interface on the backside) and status LED´s.
orange = status of termination resistor
green = activity of bus
blue = participation on bus traffic
The PROFIBUS adaptor has an enhanced temperature range of -25°C till +85°C (acc. UL test parameter +60°C)

Included in delivery

Sub-D / M12 Adaptor

Options

We also deliver connectors for other systems like CAN-Bus, DeviceNet or Interbus on request.

Patch Cables RJ45

HELUKAT® CONNECTING SYSTEMS

Category $6E_A$

Type

Patch cable S/FTP halogenfree, Cat.6a 500 MHz (10GBit)

Cable

Designation: S/FTP 4x2xAWG 26/7 LSZH
Sheath material: LSZH
Frequency: up to 500 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Norms and standards

HELUKAT® CONNECTING SYSTEMS® system components up to 500 MHz (10GBit) of category 6a / Class E in accordance with ISO 11801, 2nd edition, EN 50173, 2nd edition, and EIA/TIA 568 C-2.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
802380	grey	1,0	10
802381	grey	2,0	10
802382	grey	3,0	10
802383	grey	5,0	10
802384	grey	7,5	10
802385	grey	10,0	10
804287	grey	15,0	10

Dimensions and specifications may be changed without prior notice.

Options

Naturally, we also offer other lengths and colors on request.

Patch Cables RJ45

HELUKAT® CONNECTING SYSTEMS

Category 6_A

Type

Patch cable U/UTP halogenfree, Cat.6a 500 MHz (10GBit)

Cable

Designation: U/UTP 4x2xAWG 24/7 LSZH
Sheath material: LSZH
Frequency: up to 500 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Norms and standards

HELUKAT® CONNECTING SYSTEMS® system components up to 500 MHz (10GBit) of category 6a / Class E in accordance with ISO 11801, 2nd edition, EN 50173, 2nd edition, and EIA/TIA 568 C-2.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
804972	grey	1,0	10
804973	grey	2,0	10
804974	grey	3,0	10
804975	grey	5,0	10
804976	grey	7,5	10
804977	grey	10,0	10
805055	grey	15,0	10

Dimensions and specifications may be changed without prior notice.

Options

Naturally, we also offer other lengths and colors on request.

Patch Cables RJ45

HELUKAT® CONNECTING SYSTEMS

Category 6 / Class E

Type

Patch cable S/FTP halogenfree, Cat.6

Cable

Designation: S/FTP 4x2xAWG 27/7 halogenfree
Sheath material: LSZH
Frequency: up to 250 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Norms and standards

HELUKAT® CONNECTING SYSTEMS® system components up to 250 MHz of category 6 / Class E in accordance with ISO 11801, 2nd edition, EN 50173, 2nd edition, and EIA/TIA 568 B.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
806253	grey	0,25	10
82857	grey	0,5	10
82858	grey	1,0	10
806254	grey	1,5	10
82859	grey	2,0	10
82860	grey	3,0	10
82861	grey	5,0	10
82862	grey	7,5	5
82863	grey	10,0	5
82864	grey	15,0	5

Part no.	Sheath colour	Length in metres	Unit
802999	blue	0,5	10
803000	blue	1,0	10
803001	blue	2,0	10
803002	blue	3,0	10
803003	blue	5,0	10
803004	blue	7,5	5
803005	blue	10,0	5
803006	blue	15,0	5

Part no.	Sheath colour	Length in metres	Unit
806255	green	0,25	10
803007	green	0,5	10
803008	green	1,0	10
806256	green	1,5	10
803009	green	2,0	10
803010	green	3,0	10
803011	green	5,0	10
803012	green	7,5	5
803013	green	10,0	5
803014	green	15,0	5

Continuation ▸

Patch Cables RJ45

HELUKAT CONNECTING SYSTEMS

Category 6 / Class E

Part no.	Sheath colour	Length in metres	Unit
802991	red	0,5	10
802992	red	1,0	10
802993	red	2,0	10
802994	red	3,0	10
802995	red	5,0	10
802996	red	7,5	5
802997	red	10,0	5
802998	red	15,0	5

Part no.	Sheath colour	Length in metres	Unit
803015	yellow	0,5	10
803016	yellow	1,0	10
803017	yellow	2,0	10
803018	yellow	3,0	10
803019	yellow	5,0	10
803020	yellow	7,5	5
803021	yellow	10,0	5
803022	yellow	15,0	5

Part no.	Sheath colour	Length in metres	Unit
803023	black	0,5	10
803024	black	1,0	10
803025	black	2,0	10
803026	black	3,0	10
803027	black	5,0	10
803028	black	7,5	5
803029	black	10,0	5
803030	black	15,0	5

Dimensions and specifications may be changed without prior notice.

Options

Naturally, we also offer other lengths, colors and crossover cables on request.

Patch Cables RJ45 unscreened

HELUKAT® CONNECTING SYSTEMS

Category 6/ Class E

Type

Patch cable unscreened U/UTP PVC, Cat.6

Cable

Designation: U/UTP 4x2xAWG 24/7 PVC
Sheath material: PVC
Frequency: up to 250 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Norms and standards

HELUKAT® CONNECTING SYSTEMS® system components up to 250 MHz in the of category 6 or EIA/TIA 568 B.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
803097	grey	0,5	10
803098	grey	1,0	10
803099	grey	2,0	10
803100	grey	3,0	10
803101	grey	5,0	10
803102	grey	7,5	10
803103	grey	10,0	10
803104	grey	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803113	blue	0,5	10
803114	blue	1,0	10
803115	blue	2,0	10
803116	blue	3,0	10
803117	blue	5,0	10
803118	blue	7,5	10
803119	blue	10,0	10
803120	blue	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803121	green	0,5	10
803122	green	1,0	10
803123	green	2,0	10
803124	green	3,0	10
803125	green	5,0	10
803126	green	7,5	10
803127	green	10,0	10
803128	green	15,0	10

Continuation ▸

Patch Cables RJ45 unscreened

HELUKAT CONNECTING SYSTEMS

Category 6 / Class E

Part no.	Sheath colour	Length in metres	Unit
803105	red	0,5	10
803106	red	1,0	10
803107	red	2,0	10
803108	red	3,0	10
803109	red	5,0	10
803110	red	7,5	10
803111	red	10,0	10
803112	red	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803129	yellow	0,5	10
803130	yellow	1,0	10
803131	yellow	2,0	10
803132	yellow	3,0	10
803133	yellow	5,0	10
803134	yellow	7,5	10
803135	yellow	10,0	10
803136	yellow	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803137	black	0,5	10
803138	black	1,0	10
803139	black	2,0	10
803140	black	3,0	10
803141	black	5,0	10
803142	black	7,5	10
803143	black	10,0	10
803144	black	15,0	10

Dimensions and specifications may be changed without prior notice.

Options

Naturally, we also offer other lengths, colors and crossover cables on request.

Patch Cables RJ45

HELUKAT® CONNECTING SYSTEMS

Category 5e / Class D

Type

Patch cable SF/UTP PVC Cat.5e

Cable

Designation: SF/UTP 4x2xAWG 26/7 PVC
Sheath material: PVC
Frequency: up to 100 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Norms and standards

HELUKAT® CONNECTING SYSTEMS® system components up to 100 MHz of category 5(e) / Class D in accordance with ISO 11801, 2nd edition, EN 50173, 2nd edition, and EIA/TIA 568 B.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
803049	grey	0,5	10
803050	grey	1,0	10
803051	grey	2,0	10
803052	grey	3,0	10
803053	grey	5,0	10
803054	grey	7,5	10
803055	grey	10,0	10
803056	grey	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803065	blue	0,5	10
803066	blue	1,0	10
803067	blue	2,0	10
803068	blue	3,0	10
803069	blue	5,0	10
803070	blue	7,5	10
803071	blue	10,0	10
803072	blue	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803073	green	0,5	10
803074	green	1,0	10
803075	green	2,0	10
803076	green	3,0	10
803077	green	5,0	10
803078	green	7,5	10
803079	green	10,0	10
803080	green	15,0	10

Continuation ▸

Patch Cables RJ45

HELUKAT CONNECTING SYSTEMS

Category 5e / Class D

Part no.	Sheath colour	Length in metres	Unit
803057	red	0,5	10
803058	red	1,0	10
803059	red	2,0	10
803060	red	3,0	10
803061	red	5,0	10
803062	red	7,5	10
803063	red	10,0	10
803064	red	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803081	yellow	0,5	10
803082	yellow	1,0	10
803083	yellow	2,0	10
803084	yellow	3,0	10
803085	yellow	5,0	10
803086	yellow	7,5	10
803087	yellow	10,0	10
803088	yellow	15,0	10

Part no.	Sheath colour	Length in metres	Unit
803089	black	0,5	10
803090	black	1,0	10
803091	black	2,0	10
803092	black	3,0	10
803093	black	5,0	10
803094	black	7,5	10
803095	black	10,0	10
803096	black	15,0	10

Dimensions and specifications may be changed without prior notice.

Options

Naturally, we also offer other lengths, colors and crossover cables on request.

Patch Cables RJ45

HELUKAT® CONNECTING SYSTEMS

Category 5e / Class D

Type

Patch cable U/UTP PVC Cat.5e

Cable

Designation: U/UTP 4x2xAWG 24/7 PVC
Sheath material: PVC
Frequency: up to 155 MHz

Plug

Push-on connector type 1: RJ45 8(8)
Push-on connector type 2: RJ45 8(8)
Pin assignment: 1:1 acc. to TIA/EIA 568 B

Flame proof

acc. to IEC 60332-1-2

Norms and standards

HELUKAT® CONNECTING SYSTEMS® system components up to 155 MHz of category 5e in accordance with ISO 11801, EIA/TIA 568 B.

Preferred types

Part no.	Sheath colour	Length in metres	Unit
804646	grey	0,5	10
804647	grey	1,0	10
804648	grey	3,0	10
805737	grey	2,0	10
805738	grey	5,0	10
805739	grey	7,5	10
805740	grey	10,0	10
805741	grey	15,0	10

Dimensions and specifications may be changed without prior notice.

Options

Naturally, we also offer other lengths, colors and crossover cables on request.

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Эл. почта hbe@nt-rt.ru || Сайт: https://helukabel.nt-rt.ru/