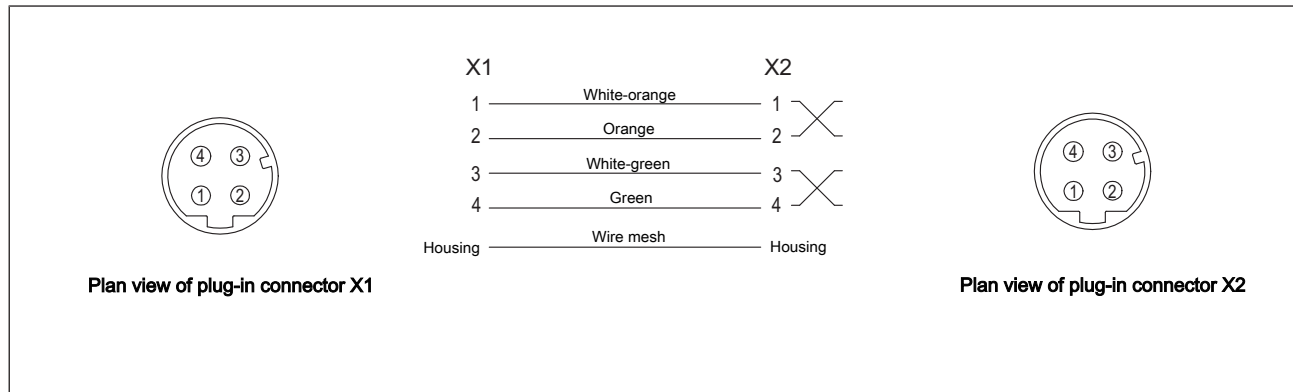


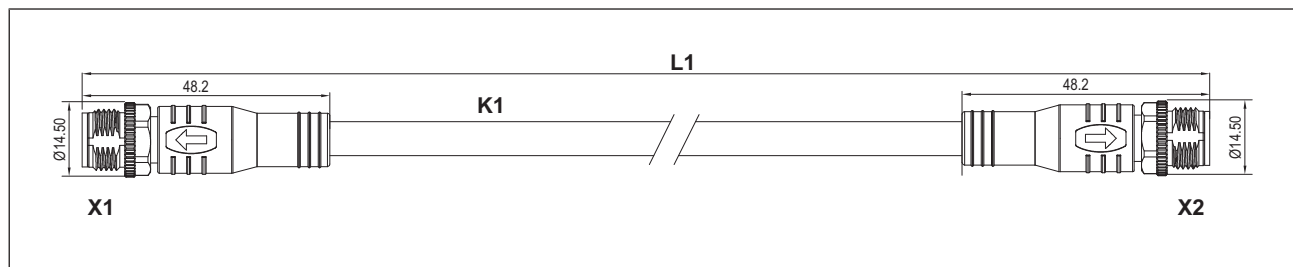
Accessories

Cable PN M12-M12 4p

Connector pin assignment



Dimensions in mm



Technical details Order no. C1000005 - C1000007

General	C1000005	C1000006	C1000007
Certifications	CE, UKCA, UL Recognized Component	CE, UKCA, UL Recognized Component	CE, UKCA, UL Recognized Component
Electrical data	C1000005	C1000006	C1000007
Operating voltage	30 V	30 V	30 V
Rated current	1,5 A	1,5 A	1,5 A
Typ. conductor resistance K1	≤ 55.4 Ohm/km at 20 °C	≤ 55.4 Ohm/km at 20 °C	≤ 55.4 Ohm/km at 20 °C
Characteristic impedance K1	100 Ohm ± 15 Ohm	100 Ohm ± 15 Ohm	100 Ohm ± 15 Ohm
Environmental data	C1000005	C1000006	C1000007
Ambient temperature			
Temperature range	-40 - 90 °C	-40 - 90 °C	-40 - 90 °C
Max. temperature in accordance with UL	-40 - 80 °C	-40 - 80 °C	-40 - 80 °C
Airgap creepage			
Pollution degree	3	3	3

Accessories

Cable PN M12-M12 4p

Environmental data	C1000005	C1000006	C1000007
Protection type			
X1 when inserted	IP67 when screwed in place	IP67 when screwed in place	IP67 when screwed in place
X2 when inserted	IP67 when screwed in place	IP67 when screwed in place	IP67 when screwed in place
Mechanical data	C1000005	C1000006	C1000007
Plug connector X1	M12, 4-pin male connector	M12, 4-pin male connector	M12, 4-pin male connector
in accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight	Straight
Coding of plug-in connector X1	D-coded	D-coded	D-coded
Plug connector X2	M12, 4-pin male connector	M12, 4-pin male connector	M12, 4-pin male connector
in accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X2	Straight	Straight	Straight
Coding of plug-in connector X2	D-coded	D-coded	D-coded
Material of ring nut X1	CuZn nickel-plated	CuZn nickel-plated	CuZn nickel-plated
Housing material X1	TPU	TPU	TPU
Housing material X2	TPU	TPU	TPU
Material of contact surface X1	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.
Material of pin	CuZn	CuZn	CuZn
Conductor material K1	Cu	Cu	Cu
Insulating cover for conductor K1	FEP (RoHS)	FEP (RoHS)	FEP (RoHS)
Mating cycles X1	500	500	500
Mating cycles X2	500	500	500
Cable type K1	S/FTP	S/FTP	S/FTP
Cable length L1	0,5 m	3 m	5 m
Material of shield surface cable K1	CuZn	CuZn	CuZn
Category cable K1	Cat5e	Cat5e	Cat5e
Colour of external cable insulation K1	Green, RAL6018	Green, RAL6018	Green, RAL6018
Colour of housing	Black	Black	Black
Cable insulation material K1	PUR	PUR	PUR
Drag chain suitable K1	No	No	No

Accessories

Cable PN M12-M12 4p

Mechanical data	C1000005	C1000006	C1000007
Min. bending radius (fixed permanently) K1	12 x Ø	12 x Ø	12 x Ø
Min. bending radius (moving) K1	15 x Ø	15 x Ø	15 x Ø
Cable diameter K1	7,2 mm	7,2 mm	7,2 mm
Max. cable diameter K1	7,4 mm	7,4 mm	7,4 mm
Conductor cross section of data conductor AWG K1	22	22	22
Wire colour K1	1P: green/white-green, 2P: orange/white-orange	1P: green/white-green, 2P: orange/white-orange	1P: green/white-green, 2P: orange/white-orange
Stranding K1	(2x2xAWG22), twisted pair	(2x2xAWG22), twisted pair	(2x2xAWG22), twisted pair
Shielding K1	Yes	Yes	Yes
Shield type K1	Wire mesh	Wire mesh	Wire mesh
Wire layer separation K1	Yes	Yes	Yes
No. of wires K1	4	4	4
Certification cable K1	UL AWM-Style 21923, verified ANSI/TIA-568-C.2	UL AWM-Style 21923, verified ANSI/TIA-568-C.2	UL AWM-Style 21923, verified ANSI/TIA-568-C.2
Halogen-free	No	No	No
Silicone-free	No	No	No
Oil resistance	Resistant	Resistant	Resistant
Non-flammability	UL FT2	UL FT2	UL FT2
Torque of the interlock screw	0.4 Nm	0.4 Nm	0.4 Nm
Weight	60 g	231 g	373 g

Accessories

Cable PN M12-M12 4p

Technical details Order no. C1000008 - C1000009

General	C1000008	C1000009
Certifications	CE, UKCA, UL Recognized Component	CE, UKCA, UL Recognized Component
Electrical data	C1000008	C1000009
Operating voltage	30 V	30 V
Rated current	1,5 A	1,5 A
Typ. conductor resistance K1	≤ 55.4 Ohm/km at 20 °C	≤ 55.4 Ohm/km at 20 °C
Characteristic impedance K1	100 Ohm ± 15 Ohm	100 Ohm ± 15 Ohm
Environmental data	C1000008	C1000009
Ambient temperature		
Temperature range	-40 - 90 °C	-40 - 90 °C
Max. temperature in accordance with UL	-40 - 80 °C	-40 - 80 °C
Airgap creepage		
Pollution degree	3	3
Protection type		
X1 when inserted	IP67 when screwed in place	IP67 when screwed in place
X2 when inserted	IP67 when screwed in place	IP67 when screwed in place
Mechanical data	C1000008	C1000009
Plug connector X1	M12, 4-pin male connector	M12, 4-pin male connector
in accordance with the standard	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight
Coding of plug-in connector X1	D-coded	D-coded
Plug connector X2	M12, 4-pin male connector	M12, 4-pin male connector
in accordance with the standard	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X2	Straight	Straight
Coding of plug-in connector X2	D-coded	D-coded
Material of ring nut X1	CuZn nickel-plated	CuZn nickel-plated
Housing material X1	TPU	TPU
Housing material X2	TPU	TPU
Material of contact surface X1	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.
Material of pin	CuZn	CuZn
Conductor material K1	Cu	Cu
Insulating cover for conductor K1	FEP (RoHS)	FEP (RoHS)
Mating cycles X1	500	500
Mating cycles X2	500	500
Cable type K1	S/FTP	S/FTP
Cable length L1	10 m	20 m
Material of shield surface cable K1	CuZn	CuZn

Accessories

Cable PN M12-M12 4p

Mechanical data	C1000008	C1000009
Category cable K1	Cat5e	Cat5e
Colour of external cable insulation K1	Green, RAL6018	Green, RAL6018
Colour of housing	Black	Black
Cable insulation material K1	PUR	PUR
Drag chain suitable K1	No	No
Min. bending radius (fixed permanently) K1	12 x Ø	12 x Ø
Min. bending radius (moving) K1	15 x Ø	15 x Ø
Cable diameter K1	7,2 mm	7,2 mm
Max. cable diameter K1	7,4 mm	7,4 mm
Conductor cross section of data conductor AWG K1	22	22
Wire colour K1	1P: green/white-green, 2P: orange/white-orange	1P: green/white-green, 2P: orange/white-orange
Stranding K1	(2x2xAWG22), twisted pair	(2x2xAWG22), twisted pair
Shielding K1	Yes	Yes
Shield type K1	Wire mesh	Wire mesh
Wire layer separation K1	Yes	Yes
No. of wires K1	4	4
Certification cable K1	UL AWM-Style 21923, verified ANSI/TIA-568-C.2	UL AWM-Style 21923, verified ANSI/TIA-568-C.2
Halogen-free	No	No
Silicone-free	No	No
Oil resistance	Resistant	Resistant
Non-flammability	UL FT2	UL FT2
Torque of the interlock screw	0.4 Nm	0.4 Nm
Weight	725 g	1.430 g

Accessories

Cable PN M12-M12 4p

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
Cable/PN/ M12-4SMX/ M12-4SMX/D/0.5/ Q324/GN	0.5 m	M12, 4-pin male con- nector, straight	M12, 4-pin male con- nector, straight		C1000005
Cable/PN/ M12-4SMX/ M12-4SMX/D/003/ Q324/GN	3 m	M12, 4-pin male con- nector, straight	M12, 4-pin male con- nector, straight		C1000006
Cable/PN/ M12-4SMX/ M12-4SMX/D/005/ Q324/GN	5 m	M12, 4-pin male con- nector, straight	M12, 4-pin male con- nector, straight		C1000007
Cable/PN/ M12-4SMX/ M12-4SMX/D/010/ Q324/GN	10 m	M12, 4-pin male con- nector, straight	M12, 4-pin male con- nector, straight		C1000008
Cable/PN/ M12-4SMX/ M12-4SMX/D/020/ Q324/GN	20 m	M12, 4-pin male con- nector, straight	M12, 4-pin male con- nector, straight		C1000009