METZ
CONNECT

We realize ideas

Overview
M12 products

PC board jacks – 8-pole, X-coded

	DESIGNATION	SPECIFICATIONS	P/N
	PC board jack M12, X-coded, 8-pole, IP67, rear mounting	8-pole, X-coded according to IEC 61076-2-109, rear mounting, 10 GBit suitable according to IEEE 802.3an, THR solderable, Top entry	MMT371A3B5
	PC board jack M12, X-coded, 8-pole, IP67, rear mounting, in individual parts	8-pole, X-coded according to IEC 61076-2-109, rear mounting, 10 GBit suitable according to IEEE 802.3an, THR solderable, Top entry	MMT371A3B5-0001
	PC board jack M12, X-coded, 8-pole, IP67	8-pole, X-coded according to IEC 61076-2-109, 10 GBit suitable according to IEEE 802.3an, THR solderable, Top entry	MMT361A315
	PC board jack M12, X-coded, 8-pole, IP67, in individual parts	8-pole, X-coded according to IEC 61076-2-109, 10 GBit suitable according to IEEE 802.3an, THR solderable, Top entry	MMT361A315-0001
	PC board jack M12, X-coded, 8-pole, IP67, potted	8-pole, X-coded according to IEC 61076-2-109, 10 GBit suitable according to IEEE 802.3an, wave solderable, Top entry	MMT361A315-0009
	PC board jack M12, X-coded, 8-pole, IP67, rear mounting, potted	8-pole, X-coded according to IEC 61076-2-109, rear mounting, 10 GBit suitable according to IEEE 802.3an, wave solderable, Top entry	MMT371A3B5-0009
	PC board jack M12, X-coded, 8-pole, IP67, 90° angled	90° angled, solderable, rear mounting, <2,5 mm wall thickness	MMT471A315
		90° angled, solderable, rear mounting, <4,0 mm wall thickness	MMT471A315-0001
		90° angled, solderable, rear mounting, <5,0 mm wall thickness	MMT471A315-0002
	PC board jack M12, X-coded, 8-pole, IP67, 90° angled, in individual parts	in set, 90° angled, solderable, rear mounting, <2,5 mm wall thickness	MMT471A315-0003
		in set, 90° angled, solderable, rear mounting, <4,0 mm wall thickness	MMT471A315-0004
		in set, 90° angled, solderable, rear mounting, <5,0 mm wall thickness	MMT471A315-0005
	PC board insert M12, X-coded, 8-pole	8-pole, X-coded according to IEC 61076-2-109, 10 GBit suitable according to IEEE 802.3an, THR solderable	MMT060A315
		8-pole, X-coded according to IEC 61076-2-109, 10 GBit suitable according to IEEE 802.3an, THR solderable	MMT060A315-0001
	PC board insert M12, X-coded, 8-pole, green, 90° angled	8-pole, X-coded according to IEC 61076-2-109, 10 GBit suitable according to IEEE 802.3an, THR solderable, Side entry, Contact carriers green	MMTA70A315

PC board jacks – 4-pole, D-coded

	DESIGNATION	SPECIFICATIONS	P/N
	PC board jack M12, D-coded, 4-pole, IP67	PC board jack M12, Cat.5, 4-pole, D-coded according to IEC 61076-02-101, for 100 MBit Fast Ethernet (IEEE 802.3an), THR solderable, Top entry, Contact carriers green	MMT361A115
	PC board jack M12, D-coded, 4-pole, IP67, in individual parts	PC board jack M12, Cat.5, 4-pole, D-coded according to IEC 61076-02-101, for 100 MBit Fast Ethernet (IEEE 802.3an), THR solderable, Top entry, Contact carriers green	MMT361A115-0001
	PC board jack M12, D-coded, 4-pole, IP67 in unmated condition, potted	PC board jack M12, Cat.5, 4-pole, D-coded according to IEC 61076-02-101, for 100 MBit Fast Ethernet (IEEE 802.3an), wave solderable, Top entry, Contact carriers green	MMT361A115-0009
	PC board jack M12, D-coded, 4-pole, IP67, rear mounting	PC board jack M12, Cat.5, 4-pole, D-coded according to IEC 61076-02-101, rear wall mounting, for 100 MBit Fast Ethernet (IEEE 802.3an), THR solderable, Top entry	MMT371A115
	PC board jack M12, D-coded, 4-pole, IP67, rear mounting, in individual parts	PC board jack M12, Cat.5, 4-pole, D-coded according to IEC 61076-02-101, rear wall mounting, for 100 MBit Fast Ethernet (IEEE 802.3an), THR solderable, Top entry	MMT371A115-0001
	PC board jack M12, D-coded, 4-pole, IP67 in unmated condition, rear mounting, potted	PC board jack M12, Cat.5, 4-pole, D-coded according to IEC 61076-02-101, rear wall mounting, for 100 MBit Fast Ethernet (IEEE 802.3an), wave solderable, Top entry	MMT371A115-0009
	PC board insert M12, D-coded, 4-pole	PC board insert M12, Cat.5, 4-pole D-coded, green, suitable for 10/100 MBit, THR solderable	MMT060A115
		PC board insert M12, Cat.5, 4-pole D-coded, black, suitable for 10/100 MBit, THR solderable	MMT060A115-0001
	PC board jack M12, D-coded, 4-pole, IP67, 90° angled	90° angled, solderable, rear mounting, suitable for a wall thickness up to 2.5 mm	MMT471A115
		90° angled, solderable, rear mounting, suitable for a wall thickness up to 4.0 mm	MMT471A115-0001
		90° angled, solderable, rear mounting, suitable for a wall thickness up to 5.0 mm	MMT471A115-0002
	PC board jack M12, D-coded, 4-pole, IP67, through hole mounting	PC board jack M12, 4-pole, D-coded according to IEC 61076-02-101, THR solderable, through hole mounting, Contact carriers green, IP67 when plugged in	MMW370A1A1
	PC board jack M12, D-coded, 4-pole, IP67, front mounting	PC board jack M12, 4-pole, D-coded according to IEC 61076-02-101, THR solderable, Front mounting, Contact carriers green, IP67 when plugged in	MMW360A1A1

PC board jacks – 2-pole, A-coded

	DESIGNATION	SPECIFICATIONS	P/N
	PC board jack M12, A-coded, 2-pole, IP67	PC board jack M12, Front wall mounting, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT361A915
	PC board jack M12, A-coded, 2-pole, IP67, in individual parts	PC board jack M12, Front wall mounting, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT361A915-0001
	PC board jack M12, A-coded, 2-pole, IP67, in unmated condition, potted	PC board jack M12 Front wall mounting, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT361A915-0009
	PC board jack M12, A-coded, 2-pole, IP67, rear mounting	PC board jack M12, rear mounting, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT371A915
	PC board jack M12, A-coded, 2-pole, IP67, rear mounting, in individual parts	PC board jack M12, rear mounting, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT371A915-0001
	PC board jack M12, A-coded, 2-pole, IP67, rear mounting, in unmated condition, potted	PC board jack M12, rear mounting, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT371A915-0009
	PC board insert M12, A-coded, 2-pole, black	PC board insert M12, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black	MMT060A915-0001
	PC board insert M12, A-coded, 2-pole, black, Tape & Reel	PC board insert M12, 2-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, Tape & Reel packaging	MMT060A915-G201

PC board jacks – 3-pole, A-coded

	DESIGNATION	SPECIFICATIONS	P/N
	PC board jack M12, A-coded, 3-pole, IP67	PC board jack M12, Front wall mounting, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT361A615
	PC board jack M12, A-coded, 3-pole, IP67, in individual parts	PC board jack M12, Front wall mounting, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT361A615-0001
	PC board jack M12, A-coded, 3-pole, IP67, in unmated condition, potted	PC board jack M12, Front wall mounting, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT361A615-0009
	PC board jack M12, A-coded, 3-pole, IP67, rear mounting	PC board jack M12, rear mounting, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT371A615
	PC board jack M12, A-coded, 3-pole, IP67, rear mounting, in individual parts	PC board jack M12, rear mounting, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT371A615-0001
	PC board jack M12, A-coded, 3-pole, IP67, rear mounting, in unmated condition, potted	PC board jack M12, rear mounting, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT371A615-0009
	PC board insert M12, A-coded, 3-pole, black	PC board insert M12, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black	MMT060A615-0001
	PC board insert M12, A-coded, 3-pole, black, Tape & Reel	PC board insert M12, 3-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, Tape & Reel packaging	MMT060A615-G201

PC board jacks – 4-pole, A-coded

	DESIGNATION	SPECIFICATIONS	P/N
	PC board jack M12, A-coded, 4-pole, IP67	PC board jack M12, Front wall mounting, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT361A715
	PC board jack M12, A-coded, 4-pole, IP67, in individual parts	PC board jack M12, Front wall mounting, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT361A715-0001
	PC board jack M12, A-coded, 4-pole, IP67, in unmated condition, potted	PC board jack M12, Front wall mounting, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT361A715-0009
	PC board jack M12, A-coded, 4-pole, IP67, rear mounting	PC board jack M12, rear mounting, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT371A715
	PC board jack M12, A-coded, 4-pole, IP67, rear mounting, in individual parts	PC board jack M12, rear mounting, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT371A715-0001
	PC board jack M12, A-coded, 4-pole, IP67, rear mounting, in unmated condition, potted	PC board jack M12, rear mounting, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT371A715-0009
	PC board insert M12, A-coded, 4-pole, black	PC board insert M12, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black	MMT060A715-0001
	PC board insert M12, A-coded, 4-pole, black, Tape & Reel	PC board insert M12, 4-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, Tape & Reel packaging	MMT060A715-G201

PC board jacks – 5-pole, A-coded

	DESIGNATION	SPECIFICATIONS	P/N
	PC board jack M12, A-coded, 5-pole, IP67	PC board jack M12, Front wall mounting, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT361A815
	PC board jack M12, A-coded, 5-pole, IP67, in individual parts	PC board jack M12, Front wall mounting, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT361A815-0001
	PC board jack M12, A-coded, 5-pole, IP67, unmated contidtion, potted	PC board jack M12, Front wall mounting, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT361A815-0009
	PC board jack M12, A-coded, 5-pole, IP67, rear mounting	PC board jack M12, rear mounting, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in	MMT371A815
	PC board jack M12, A-coded, 5-pole, IP67, rear mounting, in individual parts	PC board jack M12, rear mounting, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 when plugged in, in individual parts	MMT371A815-0001
	PC board jack M12, A-coded, 5-pole, IP67, rear mounting, in unmated condition, potted	PC board jack M12, rear mounting, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, IP67 in unmated condition	MMT371A815-0009
	PC board insert M12, A-coded, 5-pole, black	PC board insert M12, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black	MMT060A815-0001
	PC board insert M12, A-coded, 5-pole, black, Tape & Reel	PC board insert M12, 5-pole, A-coded according to IEC 61076-2-101, THR solderable, Top entry, Contact carriers black, Tape & Reel packaging	MMT060A815-G201

Feed through adapters – D- and X-coded

	DESIGNATION	SPECIFICATIONS	P/N
	Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - straight	panel feed-through adapter M12 to RJ45 for control cabinets, M12 jack x-coded, IP67, per IEC/PS 61076-2-109, RJ45 jack, IP20, per IEC 60603-7-51, suitable for 10 GBit per IEEE802.3an	MWN811A415
	Panel feed through adapters M12 X-coded to RJ45 for electrical cabinets - angled	Panel feed-through adapter M12 to RJ45 for control cabinets, M12 connector x-coded, IP67, per IEC/PS 61076-2-109, RJ45 jack, IP20, per IEC 60603-7-51, Suitable for 10 GBit per IEEE802.3an	MWN911A415
	Panel feed through adapters M12 D-coded to RJ45 for electrical cabinets - straight	panel feed-through adapter M12 to RJ45 for control cabinets, M12 jack D-coded, IP67, per IEC/PS 61076-2-101, RJ45 jack, IP20, per IEC 60603-7-51, plug-in direction: straight	MWN811A115
	Panel feed through adapters M12 D-coded to RJ45 for electrical cabinets - angled	panel feed-through adapter M12 to RJ45 for control cabinets, M12 jack D-coded, IP67, per IEC/PS 61076-2-101, RJ45 jack, IP20, per IEC 60603-7-51, plug-in direction: angled	MWN911A115

Jacks & plugs for field assembly

	DESIGNATION	SPECIFICATIONS	P/N
	M12 plug, D-coded, IP67 Cat. 5, field assembly, straight	Field-attachable M12 plug, Cat.5, D-coded based on DIN EN 61076-2-101 for a 4 wire cable connection 4-wire M12 plug for AWG 22 to be assembled in the field	MNF881A115
	M12 plug, X-coded, IP67 Cat. 6$_A$, field assembly, straight	M12 Cat.6$_A$ X-coded plug based on IEC PAS 61076-2-109 and suitable for field assembly, suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus and UPoE) and HDBaseT	MNF881A315-0001
	M12 Jack X-coded IP67, field assembly	8-pole M12 jack for field assembly Cat.6$_A$ per IEC/PAS 61076-2-109, suitable for 10 GBit as per IEEE 802.3an, AWG 26/1-22/1, AWG 26/7-22/7 can be connected	MMF881A315
	M12 Jack X-coded IP67, field assembly with flange	8-pole M12 jack for field assembly Cat.6$_A$ per IEC/PAS 61076-2-109 with flange suitable for 10 GBit as per IEEE 802.3an jack consists of only two parts	MMF881A315-0001
	M12 Jack D-coded IP67, field assembly	4-pole M12 jack for field assembly Cat.5e per EN 61076-2-101, suitable for 100 MBit Fast Ethernet as per IEEE 802.3an, jack consists of only two parts	MMF881A115
	M12 Jack D-coded IP67, field assembly with flange	4-pole M12 jack for field assembly Cat.5e per EN 61076-2-101 with flange, suitable for 100 MBit Fast Ethernet as per IEEE 802.3an	MMF881A115-0001

M12 Industrial Ethernet

Shielded M12 Industrial Ethernet connection cables for safe and industrial data transmission in automation and fieldbus technology, METZ CONNECT offers different cable types with increased mechanical stress (abrasion, bending, vibration, drag chain operation and torsion) in various performance classes Cat.5 (100 MBit/s); Cat.6$_A$ (10 GBit/s) with D- and X-coded connector versions.

Connecting lines, D-coded

Description:

Shielded PUR cable for safe and industrial data transmission in automation and fieldbus technology. The cable is CMX-verified and meets the requirements of Cat.5e (electrical properties based on EN50288-2-1). Materials and constructional design allow increased mechanical stress (abrasion, bending, vibrations etc.) of the cable. Use in drag chains with up to 3 million bending cycles is possible without risk.

Special features:

flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid and alkali resistant, ozone resistant, UV resistant, hydrolysis resistant, drag chain compatible, halogen free, oil resistant, high flexibility, microbe resistant, UN ECER118, PROFINET Type C

NUMBER KEY		CABLE TYPES	CODING	CABLE SIDE A			CABLE SIDE B		LENGTH
142M	1	4x1xAWG22/19 PUR Cat.5e green	D			0	free line end	010	1.0 m
				1	M12 plug straight	1	M12 plug straight	020	2.0 m
				9	M12 plug angled	9	M12 plug angled	050	5.0 m
				2	M12 jack straight	2	M12 jack straight	100	10.0 m
				5	RJ45 plug encapsulated	5	RJ45 plug encapsulated		

Other cable lengths on request, and via our cable configurator: https://www.metz-connect.com/configurator

	DESIGNATION	SPECIFICATIONS	P/N
	Connection cable M12 D-coded M12 plug straight - free line end drag chain suitable, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M1D10xxx
	Connection line M12, D-coded, M12 plug straight - M12 plug straight drag chain suitable, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M1D11xxx
	Connection cable M12 plug angled - free line end, 4-pole, D-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M1D90xxx
	Connection line M12 plug straight - M12 plug angled, 4-pole, D-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M1D19xxx
	Connection line M12 plug straight - RJ45 plug straight, 4-pole, D-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M1D15xxx
	Connection line M12 plug straight - M12 jack straight, 4-pole, D-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M1D12xxx

Description:

Shielded Ethernet cable made of PUR for safe and industrial data transmission in automation and fieldbus technology. Real-time requirements based on IEC61158 can be realized. The cable meets the requirements of Cat.5 (electrical properties based on EN50288-2-2). Materials and design for increased mechanical stress (abrasion, bending, vibrations, etc.) of the cable. Can be used in drag chain operation/with torsion. High tensile strength due to integrated Kevlar thread.

Special features:

seawater resistant, recyclable, LABS-free, RoHs compliant, acid and alkali resistant, ozone resistant, UV resistant, hydrolysis resistant, drag chain compatible, halogen free, oil resistant, high flexibility, microbe resistant

NUMBER KEY		CABLE TYPES	CODING		CABLE SIDE A		CABLE SIDE B		LENGTH
142M	4	4x1xAWG26/19 PUR Cat.5 PP green	D			0	free line end	010	1.0 m
				1	M12 plug straight	1	M12 plug straight	020	2.0 m
				9	M12 plug angled	9	M12 plug angled	050	5.0 m
				2	M12 jack straight	2	M12 jack straight	100	10.0 m
				5	RJ45 plug encapsulated	5	RJ45 plug encapsulated		

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

	DESIGNATION	SPECIFICATIONS	P/N
	Connection line M12 D-coded M12 Plug straight - RJ45 plug straight, drag chain suitable, capable of torsion, AWG 26, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M4D15xxx
	Connection line M12 D-coded M12 Jack straight - RJ45 plug straight, drag chain suitable, capable of torsion, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M4D25xxx
	Connection line M12 D-coded M12 plug angled - RJ45 plug straight, drag chain suitable, capable of torsion, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M4D59xxx
	Connection line M12 D-coded M12 plug straight - RJ45 plug straight, drag chain suitable, capable of torsion, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M4D11xxx
	Connection line M12 D-coded M12 plug straight - M12 jack straight, drag chain suitable, capable of torsion, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M4D12xxx

Description:

Shielded PUR cable for safe and industrial data transmission in automation and fieldbus technology. The cable meets the requirements of Cat.5e (electrical properties based on EN50288-2-1). Materials and design allow increased mechanical stress (abrasion, bending, vibrations, etc.) of the cable. This cable is especially suitable for robotic applications.

Special features:

flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid and alkali resistant, ozone resistant, UV resistant, hydrolysis resistant, drag chain resistant, torsion resistant, halogen free, oil resistant, high flexibility, microbe resistant, PROFINET Type R, UN ECER118

NUMBER KEY		CABLE TYPES	CODING		CABLE SIDE A		CABLE SIDE B		LENGTH
142M	B	4x1xAWG22/19 PUR Cat.5e green	D			0	free line end	010	1.0 m
				1	M12 plug straight	1	M12 plug straight	020	2.0 m
				9	M12 plug angled	9	M12 plug angled	050	5.0 m
				2	M12 jack straight	2	M12 jack straight	100	10.0 m
				5	RJ45 plug encapsulated	5	RJ45 plug encapsulated		

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

	DESIGNATION	SPECIFICATIONS	P/N
	Connection line M12 D-coded M12 jack straight - RJ45 plug straight, drag chain suitable, torsion resistant, 4-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MBD25xxx

Connecting lines, X-coded

Description:

PROFINET 4x 2x AWG26/19 Type C highly flexible high-speed data cable of transmission category Cat.6. The cable is halogen-free, flame-retardant, oil-resistant and resistant to abrasion due to the PUR outer jacket. It is ideally suited for use in industrial environments. High-quality shielding ensures high transmission reliability of the data in electromagnetically stressed areas. Suitable for flexible applications, especially in drag chains or on continuously moving machine parts in dry and damp rooms.

Special features:

seawater-resistant, recyclable, LABS-free, RoHs-compliant, acid- and alkali-resistant, UV-resistant, hydrolysis-resistant, halogen-free, oil resistant, high flexibility, no corrosive gases, microbe resistant, no fire propagation

NUMBER KEY		CABLE TYPES	CODING		CABLE SIDE A		CABLE SIDE B		LENGTH
142M	2	4x2xAWG26/7 PUR Cat.7 FRNC green	X			0	free line end	010	1.0 m
	5	4x2xAWG26/7 PUR Cat.7 FRNC black		1	M12 plug straight	1	M12 plug straight	020	2.0 m
				9	M12 plug angled, Cable outlet below, Coding at the top left 315°	9	M12 plug angled, Cable outlet below, Coding at the top left 315°	050	5.0 m
				A	M12 plug angled, Cable outlet below, Coding at the top right 45°	A	M12 plug angled, Cable outlet below, Coding at the top right 45°	100	10.0 m
				B	M12 plug angled, Cable outlet below, Coding at the bottom right 135°	B	M12 plug angled, Cable outlet below, Coding at the bottom right 135°		
				C	M12 plug angled, Cable outlet below, Coding lower left 225°	C	M12 plug angled, Cable outlet below, Coding lower left 225°		
				2	M12 jack staight	2	M12 jack straight		
				5	RJ45 plug, encapsulated	5	RJ45 plug, encapsulated		

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

Coding position for an angled plug

P/N with: **9** = M12 plug angled, Cable outlet below, Coding at the top left 315°
A = M12 plug angled, Cable outlet below, Coding at the top right 45°
B = M12 plug angled, Cable outlet below, Coding at the bottom right 135°
C = M12 plug angled, Cable outlet below, Coding lower left 225°

	DESIGNATION	SPECIFICATIONS	P/N
	Connection cable M12 plug straight - free line end 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X10xxx
	Connection line M12 plug straight - M12 plug straight 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X11xxx
	Connection line M12 plug straight - RJ45 plug straight 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X15xxx
	Connection cable M12 X-coded, M12 plug angled - free line end 8-pole, Coding location 315°	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X90xxx 142M2XA0xxx 142M2XB0xxx 142M2XC0xxx
	Connection line M12 X-coded, M12 plug straight - M12 plug angled 8-pole, Coding location 315°	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X19xxx 142M2X1Axxx 142M2X1Bxxx 142M2X1Cxxx
	Connection line M12 X-coded, M12 plug angled - RJ45 plug straight 8-pole, Coding location 315°	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X95xxx 142M2XA5xxx 142M2XB5xxx 142M2XC5xxx
	Connection cable M12 jack straight - free line end 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X20xxx
	Connection line M12 jack straight - RJ45 plug straight 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X25xxx
	Connection line M12 plug straight - M12 jack straight 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X12xxx
	Connection line RJ45, RJ45 plug straight - RJ45 plug straight 8-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M2X55xxx

Description:

PROFINET 4x2xAWG24/7 Type C torsion-resistant high-speed data cable of transmission category Cat 7. The cable is halogen-free, flame-retardant, oil-resistant and resistant to abrasion due to the PUR outer jacket. It is ideally suited for use in industrial environments. High-quality shielding ensures high transmission reliability of the data in electromagnetically stressed areas. Suitable for use in dry and damp rooms.

Special features:

flame retardant, recyclable, LABS free, RoHs compliant, ozone resistant, UV resistant, drag chain compatible, halogen free, oil resistant, high flexibility

NUMBER KEY		CABLE TYPES	CODING		CABLE SIDE A		CABLE SIDE B	LENGTH	
142M	6	4x2xAWG26/19 PUR Cat.6 FRNC green	X			0	free line end	010	1.0 m
				1	M12 plug straight	1	M12 plug straight	020	2.0 m
				2	M12 jack straight flange	2	M12 jack straight flange	050	5.0 m
				8	RJ45 field plug	8	RJ45 field plug	100	10.0 m

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

Coding position for angled plug

P/N with:　**9** = M12 plug angled, Cable outlet below, Coding at the top left 315°
　　　　　A 　 M12 plug angled, Cable outlet below, Coding at the top right 45°
　　　　　B 　 M12 plug angled, Cable outlet below, Coding at the bottom right 135°
　　　　　C 　 M12 plug angled, Cable outlet below, Coding lower left 225°

	DESIGNATION	SPECIFICATIONS	P/N
	Connection cable M12, X-coded, M12 plug straight - free line end drag chain suitable, 8-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M6X10xxx
	Connection line M12, X-coded, M12 plug straight - M12 plug straight drag chain suitable, 8-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M6X11xxx
	Connection cable M12 X-coded, M12 jack straight - free line end drag chain suitable, 8-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M6X20xxx
	Connection line M12, X-coded, M12 plug straight - M12 jack straight drag chain suitable, 8-pole, green	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M6X12xxx
	Connection cable M12 plug straight - free line end 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M6X18xxx

Description:

Shielded PUR cable for safe and industrial data transmission in automation and fieldbus technology. The cable meets the requirements of Cat.7 (electrical properties based on EN50288-4-2). Materials and design allow increased mechanical stress (abrasion, bending, vibration, etc.) of the cable.

Special features:

c(UL)us type CMX according to UL 444; UL AWM styles 11117 and 21576 (1000 V, 80 °C) according to UL 758, flame retardant, recyclable, LABS-free, RoHs compliant, ozone resistant, UV resistant, torsion resistant, halogen free, oil resistant

NUMBER KEY		CABLE TYPES	CODING		CABLE SIDE A		CABLE SIDE B	LENGTH	
142M	7	4x2xAWG24/7 PUR Cat.7 green	X	1	M12 plug straight	0 1	free line end M12 plug straight	010	1.0 m
	A	4x2xAWG24/7 PUR Cat.7 black		2	M12 jack straight	2	M12 jack straight	020	2.0 m

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

315° 0° 45°

225° 135°

Coding position for angled plug

P/N with: **9** = M12 plug angled, Cable outlet below, Coding at the top left 315°
A = M12 plug angled, Cable outlet below, Coding at the top right 45°
B = M12 plug angled, Cable outlet below, Coding at the bottom right 135°
C = M12 plug angled, Cable outlet below, Coding lower left 225°

	DESIGNATION	SPECIFICATIONS	P/N
	Connection cable M12 plug straight - free line end torsion resistant, 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M7X10xxx
	Connection line M12 plug straight - M12 plug straight torsion resistant, 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M7X11xxx
	Connection cable M12 jack straight - free line end torsion resistant, 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M7X20xxx
	Connection line M12 plug straight - M12 jack straight torsion resistant, 8-pole, X-coded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142M7X12xxx

M12 Sensor / actuator connection / connecting cables

METZ CONNECT M12 sensor/actuator connection cables with molded M12- A coded connectors meet the typical requirements of the automation industry. The sensor connectors are available in different designs as well as with various numbers of poles. The diverse range of sensor connectors is supplemented with 360° shielded and unshielded variants, among others. All connection cables are available in PUR and PVC cable qualities.

Connection lines, A-coded

Description:

Flexible, silicone- and halogen-free control cable with high mechanical strength. The cable is resistant to chemicals, hydrolysis and microbes. Drag chain application is possible with a bending radius of min. 10xd. Due to its resistance to welding sparks, the cable is very well suited for flexible use in the field of robotics, machine tools and metal-cutting manufacturing.

Special features:

flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid and alkali resistant, ozone resistant, UV resistant, hydrolysis resistant, drag chain resistant, torsion resistant, welding spark resistant, halogen free, silicone free, oil resistant

NUMBER KEY	CABLE TYPES		CODING	CABLE SIDE A		CABLE SIDE B		LENGTH	
142M	C	4 x 0.34 mm² PUR black torsion and drag chain suitable unshielded	A			0	free line end	010	1.0 m
	D	5 x 0.34 mm² PUR black torsion and drag chain suitable unshielded		1	M12 plug straight	1	M12 plug straight	020	2.0 m
	E	8 x 0.25 mm² PUR black torsion and drag chain suitable unshielded		D	M12 plug angled	1	M12 plug angled	050	5.0 m
	F	4 x 0.34 mm² PUR black torsion and drag chain suitable shielded		2	M12 jack straight	2	M12 jack straight	100	10.0 m
	G	5 x 0.34 mm² PUR black torsion and drag chain suitable shielded		3	M12 jack angled	5	M12 jack angled		
	H	8 x 0.25 mm² PUR black torsion and drag chain suitable shielded							

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

4, 5, 8-pole, A-coded

	DESIGNATION	SPECIFICATIONS	P/N
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 plug straight - free line end PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MCA10xxx
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 jack straight - free line end PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MCA20xxx

	DESIGNATION	SPECIFICATIONS	P/N
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 jack straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MCA12xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 plug straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MCA11xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 jack straight - M12 jack straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MCA22xxx
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 plug straight - free line end PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MDA10xxx
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 jack straight - free line end PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MDA20xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 jack straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MDA12xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 plug straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MDA11xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 jack straight - M12 jack straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MDA22xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 plug straight - free line end PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MEA10xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 jack straight - free line end PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MEA20xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 jack straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MEA12xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 plug straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MEA11xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 jack straight - M12 jack straight PUR, black, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MEA22xxx
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 plug straight - free line end PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MFA10xxx

	DESIGNATION	SPECIFICATIONS	P/N
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 jack straight - free line end PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MFA20xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 jack straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MFA12xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 plug straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MFA11xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 jack straight - M12 jack straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MFA22xxx
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 plug straight - free line end PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MGA10xxx
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 jack straight - free line end PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MGA20xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 jack straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MGA12xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 plug straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MGA11xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 jack straight - M12 jack straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MGA22xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 plug straight - free line end PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MHA10xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 jack straight - free line end PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MHA20xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 jack straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MHA12xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 plug straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MHA11xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 jack straight - M12 jack straight PUR-C, black, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MHA22xxx

Connection lines, A-coded

Description:

PVC cable for use in control, regulation and sensor technology. Suitable for dry area use in packaging machines and assembly and conveyor technology. High flexibility with unloaded movement (conditional drag chain use possible). Predestined for use in the food and beverage industry.

Special features:

seawater-resistant, recyclable, LABS-free, RoHs-compliant, acid- and alkali-resistant, ozone-resistant, UV-resistant

NUMBER KEY		CABLE TYPES	CODING	CABLE SIDE A		CABLE SIDE B		LENGTH	
142M	I	4 x 0.34 mm² PVC gray unshielded	A		0	free line end	010	1.0 m	
	J	5 x 0.34 mm² PVC gray unshielded	1	M12 plug straight	1	M12 plug straight	020	2.0 m	
	K	8 x 0.25 mm² PVC gray unshielded	D	M12 plug angled	1	M12 plug angled	050	5.0 m	
	L	4 x 0.34 mm² PVC gray shielded	2	M12 jack straight	2	M12 jack straight	100	10.0 m	
	M	5 x 0.34 mm² PVC gray shielded	3	M12 jack angled	5	M12 jack angled			
	N	8 x 0.25 mm² PVC gray shielded							

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

4, 5, 8-pole, A-coded

	DESIGNATION	SPECIFICATIONS	P/N
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 plug straight - free line end PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MIA10xxx
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 jack straight - free line end PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MIA20xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 jack straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MIA12xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 plug straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MIA11xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 jack straight - M12 jack straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MIA22xxx

	DESIGNATION	SPECIFICATIONS	P/N
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 plug straight - free line end PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MJA10xxx
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 jack straight - free line end PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MJA20xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 jack straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MJA12xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 plug straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MJA11xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 jack straight - M12 jack straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MJA22xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 plug straight - free line end PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MKA10xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 jack straight - free line end PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MKA20xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 jack straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MKA12xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 plug straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MKA11xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 jack straight - M12 jack straight PVC, gray, unshielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MKA22xxx
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 plug straight - free line end PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MLA10xxx
	Sensor/actuator connection cable M12, A-coded, 4-pole, M12 jack straight - free line end PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MLA20xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 jack straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MLA12xxx
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 plug straight - M12 plug straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MLA11xxx

	DESIGNATION	SPECIFICATIONS	P/N
	Sensor/actuator connection line M12, A-coded, 4-pole, M12 jack straight - M12 jack straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MLA22xxx
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 plug straight - free line end PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MMA10xxx
	Sensor/actuator connection cable M12, A-coded, 5-pole, M12 jack straight - free line end PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MMA20xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 jack straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MMA12xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 plug straight - M12 plug straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MMA11xxx
	Sensor/actuator connection line M12, A-coded, 5-pole, M12 jack straight - M12 jack straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MMA22xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 plug straight - free line end PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MNA10xxx
	Sensor/actuator connection cable M12, A-coded, 8-pole, M12 jack straight - free line end PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MNA20xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 jack straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MNA12xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 plug straight - M12 plug straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MNA11xxx
	Sensor/actuator connection line M12, A-coded, 8-pole, M12 jack straight - M12 jack straight PVC-C, gray, shielded	Standard variants: 1.0 m, 2.0 m, 5.0 m, 10.0 m	142MNA22xxx

Accessories M12

	DESIGNATION	SPECIFICATIONS	P/N
	M12 plug protection cap IP54	Safety-cap M12x1 for male connector screwable black, similar RAL9005	700669
	M12 screw plug for jacks IP54	Safety-stopper M12x1 for female connector screwable black, similar RAL9005	700701

M12 Connection lines

Other cable lengths on request, and via our cable configurator:
https://www.metz-connect.com/configurator

Cable configurator
M12 Connection cables

Please note that the items in this configurator are custom-made and are only available on request.

You can find our standard M12 connection cables on the following pages:

Overview M12 Industrial Ethernet - connection cables, D- and X-coded →

Overview M12 sensor / actuator connection cables, A-coded →

Do you already have a part number? Simply enter here and you will find further information.

Part number

search →

Configurator

Reset

Coding

D-coded

Cable type

4x1xAWG22/7 PUR Cat.5e FRNC GN

Cable end A

M12 plug

Cable end B

M12 bushing

Length

10

Possible values: 0.2 to 60.0

→

Stecker / Plug / Connecteur

Buchse / Jack / Connecteur female

AWG 22/7, Cat.5e, PUR

Your configuration

Part number

142M1D12100

Description

Ethernet Verbindungsleitung 10m
M12 Stecker / M12 Buchse 4polig-D-kodiert; PUR-C

Price per unit

on request

Add to list →

Notes

METZ CONNECT GmbH is a member of the following organizations and associations.

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QUALITÄTSMANAGEMENTSYSTEM

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