

# GETRIEBEBAU NORD

Member of the NORD DRIVESYSTEMS Group



Getriebebau NORD GmbH & Co. KG

Getriebebau-Nord-Straße 1 • 22941 Bargteheide, Germany • www.nord.com

## CABLE PLUG (F) M12-08 L= xxM

Cable IG-IGx1P

### Scope of supply

1 x	M12 plug (M), 8-poles, straight,
1 x	Cable with 8 single wires, shielded, twisted pair

Part number	Cable length
1955 1580	2 m
1955 1581	5 m
1955 1582	10 m
1955 1583	15 m
Incremental encoder cable for NORD option: "IGx1P" / "IGx1P8" with 8-poles M12 plug	



It only is allowed for qualified electricians to install and commission the module. An electrician is a person who, because of their technical training and experience, has sufficient knowledge relating to

- switching on, switching off, isolating, earthing and marking power circuits and devices,
- proper maintenance and use of protective devices in accordance with defined safety standards.



**DANGER!**

### Danger of electric shock

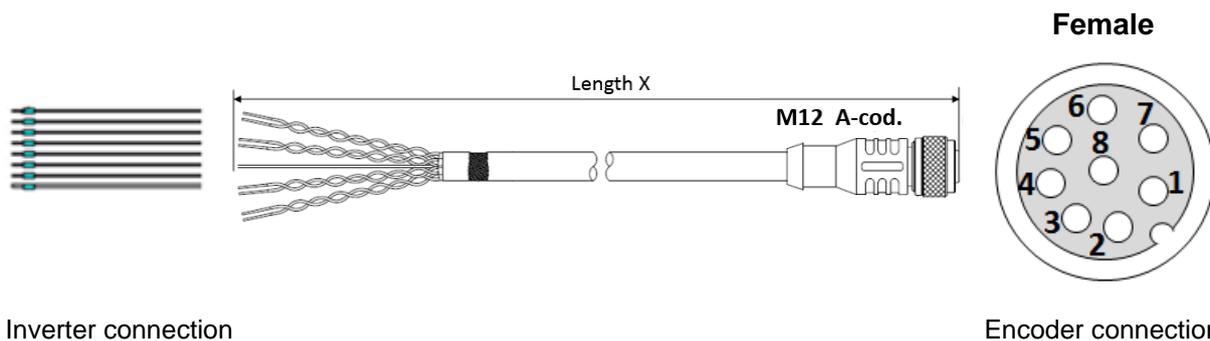
The frequency inverter continues to carry hazardous voltages for up to 5 minutes after it was switched off.

- Work must not be carried out unless the device has been disconnected from the voltage and at least 5 minutes have elapsed since the mains was switched off!

### Field of use

Incremental encoder cable connects the electronic device with the NORD motor via "IGx1P" or "IGx1P8" motor option. The "IGx1P" / "IGx1P8" option is equipped with 8-poles standard plug.

Technical Information / Datasheet	Kabel IG-IGx1P (OE-IG-A8F gerade)			
Specification of connection cable	--	1.0	3519	en



Inverter connection

Encoder connection

**i Information**

**Fixed laying system for the cable**

This cable is only useable for stationary (not moved) installation. All values for the fixed laying system are noted on this data sheet. Other laying systems are not allowed with this cable type.

**Technical Data**

M12 plug	Specification
Contact quantity	8-poles
Coding	A – coded
Contact type	Female (F)
Screw M12x1	Nut
Construction type	Straight
Protection (screwed)	NEMA 1,3,4,6P   IP68
Breakaway torque	0,6 Nm
Pollution degree	3

Cable	Specification
AWM Style	20233
Jacket material	PUR
Jacket color	Grey
Outside diameter	7.2 mm (+/- 0.28)
Bending radius	10x cable diameter
Wire cross section	4x 2x 0.25 mm <sup>2</sup>
Wire isolation	PVC
General information	
Operating voltage	max. 60 V DC
Operating current	max. 2 A
Operating temperature	-10 ... + 80°C
Flammability test	FT1

Cable	Specification
Braid shield coverage	26 AWG, braided shield
Material	Tinned copper

**PIN assignment:**

Function	Cable color	Open wires	Schematic diagram	PIN Female (F) electronic
GND 0V	White	Wire end sleeve		1
+Ub	Brown	Wire end sleeve		2
Spur „A“	Green	Wire end sleeve		3
Spur „A \“	Yellow	Wire end sleeve		4
Spur „B“	Grey	Wire end sleeve		5
Spur „B \“	Pink	Wire end sleeve		6
Spur „0“	Blue	Wire end sleeve		7
Spur „0 \“	Red	Wire end sleeve		8