SC S5Y0.25 M12-A5SMM M12-A8SMF xxx

Cable IG-IGx2P8

Scope of supply

NORD signal cable
Preconfigured for connection via two plugs.

Name	p / n	Length
SC S5Y0.25 M12-A5SMM M12-A8SMF 1.5	275 274 645	1.5 m
SC S5Y0.25 M12-A5SMM M12-A8SMF 3	275 274 646	3.0 m
SC S5Y0.25 M12-A5SMM M12-A8SMF 5	275 274 647	5.0 m
Cable HTL Incremental Encoder for NORD option: "**IG12P8 / IG22P8 / IG42P8**" (8-poles) with 0-Track		
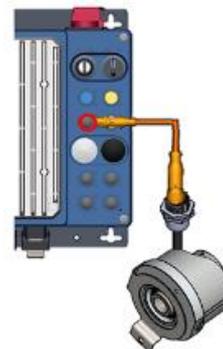
⚠ DANGER!

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 "IGx2P8" motor option. The "IGx2P8" option is equipped with 8-poles M12 standard plug.

Technical Information / Datasheet	SC S5Y0.25 M12-A5SMM M12-A8SMF		
Specification of connection cable	TI 275274645-647	3.0	3820	en

Technical Data

Specification	Side A – M12 plug
Number of contacts	5
Coding	A – coded
Type of contact	Male (M)
Screw M12x1	Screw
Housing type	straight
Housing material	metal
Protection (screwed)	IP67
Breakaway torque	0,6 Nm
Pollution degree	3

Cable	Specification
AWM Style	20233
Cross section	0.25 mm²
Bending radius	4x cable diameter
Outside diameter	6.5 mm (+/- 0.25)
Operating temperature	-10 … + 80°C
Operating voltage	Max. 60 V DC
Operating current	Max. 2 A
Installation type	Fixed laying
Jacket material	PUR
Jacket colour	Grey
Cable shield	Yes
Flammability test acc. to	FT2

Specification	Side B – M12 plug
Number of contacts	8
Coding	A – coded
Type of contact	Female (F)
Screw M12x1	Nut
Housing type	straight
Housing material	metal

PIN assignment:

Function	PIN Male 5-polig (M)	Wiring diagram	PIN Female 8-poles (F)	Function
+Ub	1		2	+Ub
Track „B"	2		5	Track „B"
GND 0V	3		1	GND 0V
Track „A"	4		3	Track „A"
Track "0"	5		7	Track "0"
		Not used	4	
		Not used	6	
		Not used	8	

Male	Length X	Female
M12 A-cod.		M12 A-cod.
Inverter connection		Encoder connection