

Selection and ordering data

Signal cable	Length	Degree of protection (connector)	Order No.
DRIVE-CLiQ prefabricated cables (without 24 V DC cores)			
In specific lengths	0.11 m (0.4 ft)	IP20/IP20	6SL3060-4AB00-0AA0
	0.16 m (0.5 ft)		6SL3060-4AD00-0AA0
	0.21 m (0.7 ft)		6SL3060-4AF00-0AA0
	0.26 m (0.9 ft)		6SL3060-4AH00-0AA0
	0.31 m (1.1 ft)		6SL3060-4AK00-0AA0
	0.36 m (1.2 ft)		6SL3060-4AM00-0AA0
	0.60 m (2 ft)		6SL3060-4AU00-0AA0
	0.95 m (3.1 ft)		6SL3060-4AA10-0AA0
	1.20 m (4 ft)		6SL3060-4AW00-0AA0
	1.45 m (4.8 ft)		6SL3060-4AF10-0AA0
	2.80 m (9.2 ft)		6SL3060-4AJ20-0AA0
	5.00 m (16.4 ft)		6SL3060-4AA50-0AA0
By the meter	70 m max. (230 ft)	IP20/IP20	6FX2002-1DC00-1 ■ ■ ■ 0
	70 m max. (230 ft)	IP67/IP67	6FX2002-1DC20-1 ■ ■ ■ 0
MOTION-CONNECT 500 DRIVE-CLiQ cables (with 24 V DC cores)			
By the meter	100 m max. (328 ft)	IP20/IP20	6FX5002-2DC00-■ ■ ■ ■ 0
	100 m max. (328 ft)	IP20/IP67	6FX5002-2DC10-■ ■ ■ ■ 0
	100 m max. (328 ft)	IP67/IP67	6FX5002-2DC20-■ ■ ■ ■ 0
MOTION-CONNECT 800 DRIVE-CLiQ cables (with 24 V DC cores)			
By the meter	50 m max. (164 ft)	IP20/IP20	6FX8002-2DC00-1 ■ ■ ■ 0
	50 m max. (164 ft)	IP20/IP67	6FX8002-2DC10-1 ■ ■ ■ 0
	50 m max. (164 ft)	IP67/IP67	6FX8002-2DC20-1 ■ ■ ■ 0
MOTION-CONNECT prefabricated cables			
Resolver in 1FT6/1FK/1PH7 motor (for SMC10)		IP20/IP67	6FX ■ 002-2CF02-■ ■ ■ ■ 0
• Multi-pole	50 m max. (164 ft)		
• 2-pole	130 m max. (427 ft)		
Incremental encoder sin/cos 1 V _{pp} in 1FT6/1FK/1PH7/1PH4/1PM/1PL6 motor (for SMC20)	100 m max. (328 ft)	IP20/IP67	6FX ■ 002-2CA31-■ ■ ■ ■ 0
Incremental encoder sin/cos 1 V _{pp} 6FX2001-3... (for SMC20)	50 m max. (164 ft)	IP20/IP67	6FX ■ 002-2CG00-1 ■ ■ ■ 0
Single/Absolute encoder with EnDat in 1FT6/1FK/1PH7/1PH4/1PL6 motor (for SMC20)	100 m max. (328 ft)	IP20/IP67	6FX ■ 002-2EQ10-■ ■ ■ ■ 0
Absolute encoder with EnDat 6FX2001-5.E. (for SMC20)	50 m max. (328 ft)	IP20/IP67	6FX ■ 002-2CH00-1 ■ ■ ■ 0
Incremental encoder (TTL) RS 422 (5 V) 6FX2001-2... (for SMC30)	35 m max. (115 ft)	IP20/IP67	6FX ■ 002-2CD01-1 ■ ■ ■ 0
Incremental encoder (TTL) RS 422 (24 V) 6FX2001-2... (for SMC30)	35 m max. (115 ft)	IP20/IP67	6FX ■ 002-2CD24-1 ■ ■ ■ 0
Incremental encoder in 1PH7/1PH4/1PL6 motor (for SMC30)		IP20/IP67	6FX ■ 002-2AH00-■ ■ ■ ■ 0
• TTL encoders	100 m max. (328 ft)		
• HTL encoders	300 m max. (924 ft)		
Incremental encoder HTL type 1XP on motor 1LA (for SMC30)			
• Track A, track B	100 m max. (328 ft)	IP20/IP67	6SX7002-0AL00-■ ■ ■ ■ 0
• Track A, B, N and A*, B*, N*	300 m max. (924 ft)	IP20/IP67	6SX7002-0AN00-■ ■ ■ ■ 0
• Track A, B, N and A*, B*, N* with right-angled connector	300 m max. (924 ft)	IP20/IP67	6SX7002-0AN10-■ ■ ■ ■ 0

- MOTION-CONNECT 500
- MOTION-CONNECT 800

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Length code



Connection system MOTION-CONNECT

Length codes

Overview

Designation	Type
Pre-assembled cables	
6FX.....-.....	■ ■ ■ ■
6SX.....-.....	■ ■ ■ 0
0 m (0 ft)	1
100 m (328 ft)	2
200 m (656 ft)	3
300 m (984 ft)	4
0 m (0 ft)	A
10 m (32.81 ft)	B
20 m (65.62 ft)	C
30 m (98.43 ft)	D
40 m (131.24 ft)	E
50 m (164.05 ft)	F
60 m (196.86 ft)	G
70 m (229.67 ft)	H
80 m (262.48 ft)	J
90 m (295.29 ft)	K
10 m (0 ft)	A
1 m (3.28 ft)	B
2 m (6.56 ft)	C
3 m (9.84 ft)	D
4 m (13.12 ft)	E
5 m (16.41 ft)	F
6 m (19.69 ft)	G
7 m (22.97 ft)	H
8 m (26.25 ft)	J
9 m (29.53 ft)	K
0 m (0 in)	0
0.1 m (3.94 in)	1
0.2 m (7.87 in)	2
0.3 m (11.81 in)	3
0.4 m (15.75 in)	4
0.5 m (19.69 in)	5
0.6 m (23.62 in)	6
0.7 m (27.56 in)	7
0.8 m (31.5 in)	8

Examples:

1.0 m (3.28 ft):	1 A B 0
2.2 m (7.22 ft):	1 A C 2
8.0 m (26.25 ft):	1 A J 0
299.0 m (981 ft):	3 K K 0

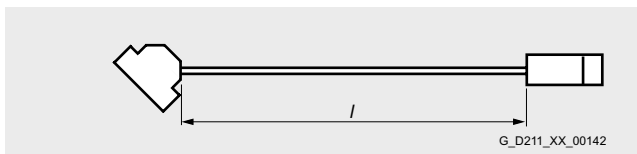
Designation	Type
Length code for power and signal cables, sold by the meter¹⁾	
<ul style="list-style-type: none"> • 50 m (164 ft) • 100 m (328 ft) • 200 m (656 ft) • 500 m (1640 ft) 	6FX.008-.....-1FA0 6FX.008-.....-2AA0 6FX.008-.....-3AA0 6FX.008-.....-6AA0

Fixed lengths for signal cables 6FX.002-.....-1...

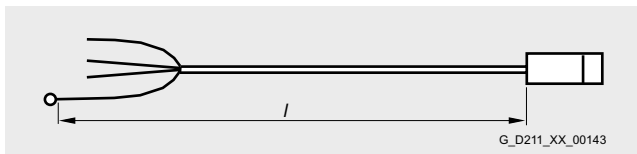
Order No.	Length in m (ft)						
	1 (3.3)	1.5 (5)	2 (6.6)	3 (9.8)	5 (16)	7 (23)	10 (32.8)
6FX2002-1CA01-1■■■0	AB		AC		AF	AH	
6FX2002-1CB01-1■■■0	AB		AC		AF	AH	
6FX2002-1CC00-1■■■		AB5	AC0		AF0		
6FX2002-4EA04-1■■■0					AF		BA
6FX5002-1AA00-1■■■0				AD	AF		BA
6FX8002-2CA41-1■■■0					AF		BA

More information

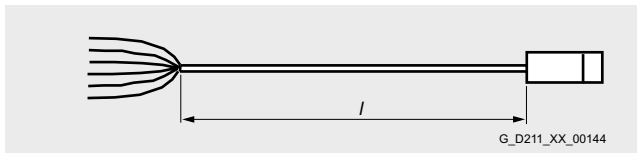
Length definition for pre-assembled cables



Signal cables



Power cables



Power cables for linear/torque motors 6FX.002-5LM.-.....

Tolerance:

- Cable lengths up to 10 m (32.8 ft): ±2%
- Cable lengths of 10 m (32.8 ft) and longer: ±1%

¹⁾ Power cables with cross-section of 4 mm² or greater can be ordered in exact meter lengths up to a length of 100 m (328 ft). Power cables with cross-sections of 1.5 mm² and 2.5 mm² are supplied as 50 m (164 ft), 100 m (328 ft), 200 m (656 ft) and 500 m (1640 ft) rings or on disposable drums.