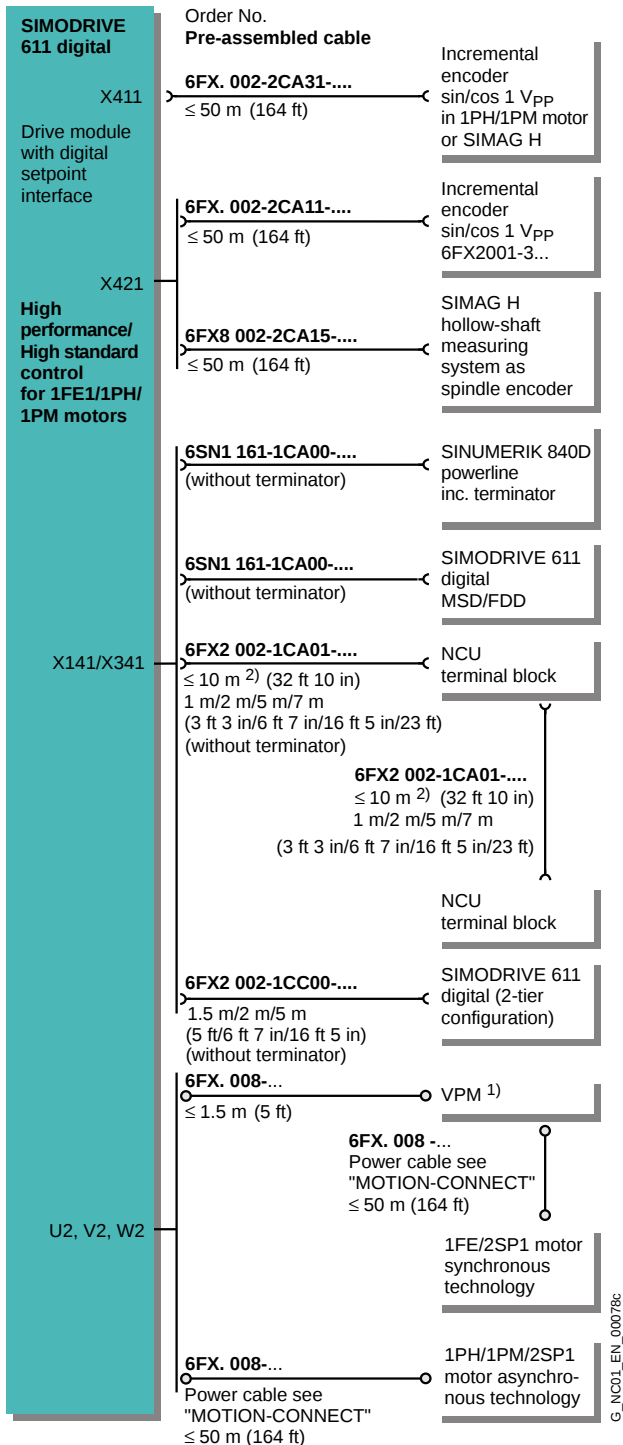
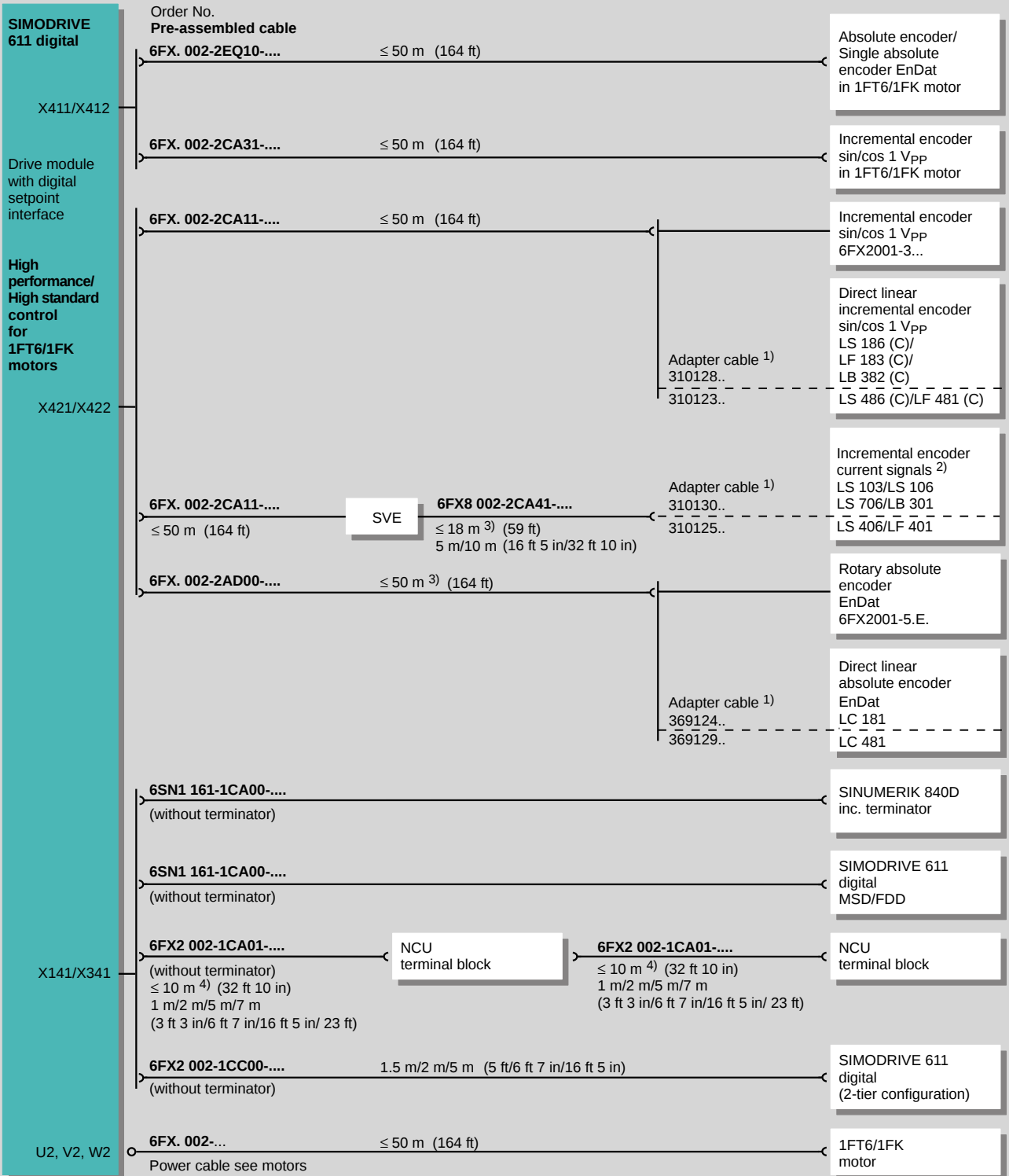




- 1) The VPM is only operational in conjunction with SIMODRIVE 611digital/universal and 1FE1 motors.
- 2) The maximum connection length on the drive bus is 10 m (32 ft 10 in).



1) Cable can be ordered from the manufacturer of the linear scale.  
2) No longer use measuring systems with current signals for new applications. Voltage signals provide improved noise immunity and will replace the current signals.  
3) Less the length of the adapter cable.  
4) The maximum connection length on the drive bus is 10 m (32 ft 10 in).

G\_NC01\_EN\_000804

## SIMODRIVE 611 digital

Drive module with digital setpoint interface

High performance control

Order No.  
Pre-assembled cable

X411

6FX5002-2CA31-.... ≤ 50 m (164 ft)

6FX8002-2CA31-.... ≤ 50 m (164 ft)

Connector box  
1FN1910-  
0AA20-0AA0

Adapter cable <sup>1)</sup>

310128..

310123..

Direct linear  
incremental  
encoder sin/cos 1 V<sub>PP</sub>  
LS 186 (C)  
LS 486 (C)

Cable included  
in Hall-effect sensor  
box package content

Hall-effect sensor  
box (option)

6FX7002-.... ≤ 50 m (164 ft)

Power cable  
see motors

Linear motor  
1FN1 with  
temperature  
sensor <sup>2)</sup>

<sup>2)</sup>

6FX8008-1BD71-....

sold by the meter

Tripping device  
3RN1

Error message

<sup>2)</sup>

6FX7008-.... ≤ 50 m (164 ft)

from 16 mm<sup>2</sup>

sold by the meter

Power cable  
see motors

Linear motor  
1FN3 with  
temperature  
sensor <sup>2)</sup>

6FX7002-5E...-....

1.5 ... 10 mm<sup>2</sup>

6FX7002-5YP...-....

1.5 ... 10 mm<sup>2</sup>

Power cable  
see motors

1) Cable can be ordered from the manufacturer of the linear scale.

2) The cables for the temperature sensor are run in the power cable 6FX700-.... and must be coupled out before the converter.  
The customer must make the connection.

## SIMODRIVE 611 digital

Drive module with digital setpoint interface

X411

High performance control

U2, V2, W2

Order No.  
Pre-assembled cable

6FX5002-2CH00-.... ≤ 50 m (164 ft)

6FX8002-2CH00-.... ≤ 50 m (164 ft)

6FX.002-2CG00-.... ≤ 50 m (164 ft)

6FX7002-... ≤ 50 m (164 ft)

2)  
6FX8008-1BD71-....

2)  
6FX7008-... ≤ 50 m (164 ft)  
1FN3: from 16 mm<sup>2</sup> sold by the meter

6FX7002-5E...-....

1.5 ... 10 mm<sup>2</sup>

Tripping device  
3RN1

sold by the meter

6FX7002-5YP...-....

1.5 ... 10 mm<sup>2</sup>

Adapter cable 1)

369124..

369129..

Adapter cable 1)

310128..

310123..

Power cable  
see motors

Power cable  
see motors

Power cable  
see motors

Direct linear  
absolute encoder

EnDat  
LC 181

LC 481

Direct linear  
incremental encoder

sin/cos 1 V<sub>PP</sub>  
LS 186 (C)

LS 486 (C)

Linear motor  
1FN1 with  
temperature  
sensor 2)

Error message

Linear motor 1FN3/  
Torquemotor 1FW6  
with temperature  
sensor 2)

Linear motor  
1FN3 with  
temperature  
sensor 2)

1) Cable can be ordered from the manufacturer of the linear scale.

2) The cables for the temperature sensor are run in the power cable 6FX700-... and must be coupled out before the converter. The customer must make the connection.