GP1670F connection to Standard NMEA 2000 Backbone (with example NMEA 2000 Device)

NMEA 2000
VHF Radio

Provided PWR cable

NMEA 2000 Micro (drop) Cable
Female - Male
1 meter = 000-167-962
2 meter = 000-167-963
5 meter = 000-166-951
6 meter = 000-167-964
(Drops are limited to 6m MAX)

Furuno
GP1670F

Provided PWR cable

NMEA 2000 Micro (drop) Cable
Female - Male
1 meter = 000-167-962
2 meter = 000-167-963
5 meter = 000-166-951
6 meter = 000-167-964
(Drops are limited to 6m MAX)

"T" Connector
AIR-052-531
Fem/Fem/Male

Power "T"
AIR-335-661
w/8 meter
cable

Terminator
Male
AIR-335-791

NMEA 2000 Micro (Backbone) Cable
Female - Male
1 meter = 000-167-962
2 meter = 000-167-963
5 meter = 000-166-951
6 meter = 000-167-964
10 meter = 001-105-850
20 meter = 001-105-860
(Micro Backbones are limited to 100 meters of length MAX)

white NET-S (power) J2 side
black NET-C (ground) J2 side
grey shield (drain)
blue NET-C (ground) J1 side
brown NET-S (power) J1 side

This is to supply voltage for the NMEA 2000 Bus. The minimum voltage is 9 VDC and the maximum is 16 VDC.

NMEA 2000 Micro (Backbone) Cable
Female - Male
1 meter = 000-167-962
2 meter = 000-167-963
5 meter = 000-166-951
6 meter = 000-167-964
10 meter = 001-105-850
20 meter = 001-105-860
(Micro Backbones are limited to 100 meters of length MAX)

"T" Connector
AIR-052-531
Fem/Fem/Male

Terminator
Male
AIR-335-791

GP1670F connection to NMEA 2000 device using Furuno CANbus FI-5002 Junction Box

NMEA 2000
VHF Radio

Provided PWR cable

NMEA 2000 Micro (drop) Cable
Female Single Ended
1 meter = 001-105-780-10
2 meter = 001-105-790-10
6 meter = 001-105-800-10
(Drops are limited to 6m MAX)

Furuno
GP1670F

Provided PWR cable

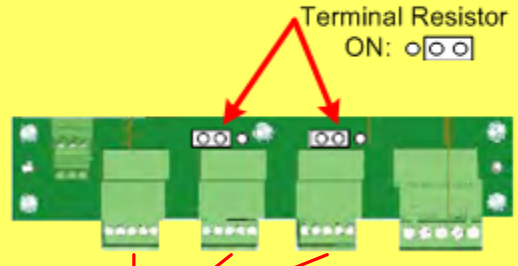
NMEA 2000 Micro (drop) Cable
Female Single Ended
1 meter = 001-105-780-10
2 meter = 001-105-790-10
6 meter = 001-105-800-10
(Drops are limited to 6m MAX)

FI5002 Junction box
(aka..small backbone in
a box)

Included 2m pwr cable

This is to supply voltage for the NMEA 2000 Bus. The minimum voltage is 9 VDC and the maximum is 16 VDC.

Set both Terminal Resistor jumpers to ON to use the FI5002 as the NMEA2000 backbone



Drop connector

GP1670F NMEA 2000 Connection to NMEA 0183 Device Using Furuno CANbus

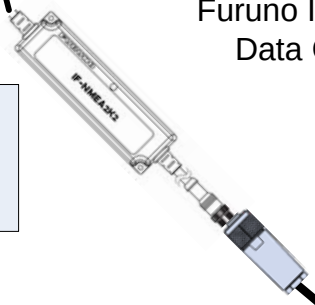
Furuno FM4000
NMEA 0183
VHF Radio

Provided PWR cable

Furuno
GP1670F

Provided PWR cable

Furuno IF-NMEA2k2
Data Converter



Refer to IF-NMEA2k2
Manual for proper MODE
setting and wiring info

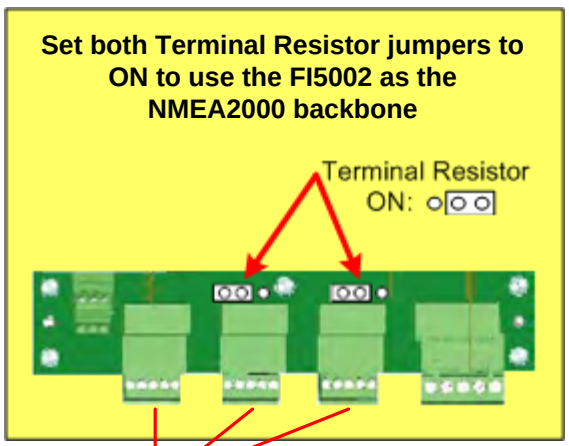
NMEA 2000 Micro (drop) Cable
Female Single Ended
1 meter = 001-105-780-10

NMEA 2000 Micro (drop) Cable
Female Single Ended
1 meter = 001-105-780-10
2 meter = 001-105-790-10
6 meter = 001-105-800-10
(Drops are limited to 6m MAX)

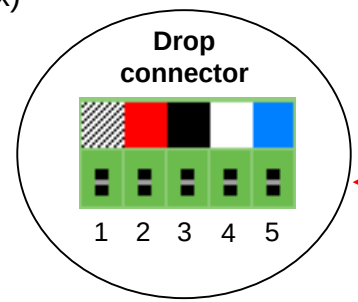
Included 2m pwr cable

FI5002 Junction box
(aka..small backbone in
a box)

Set both Terminal Resistor jumpers to ON to use the FI5002 as the NMEA2000 backbone



This is to supply voltage for the NMEA 2000 Bus. The minimum voltage is 9 VDC and the maximum is 16 VDC.



GP1670F connection to NMEA 2000 Backbone (with NMEA 0183 Device)

Furuno FM4000
NMEA 0183
VHF Radio

Provided PWR cable

Refer to IF-NMEA2k2 Manual for proper MODE setting and wiring info

Furuno IF-NMEA2k2
Data Converter

Furuno
GP1670F

Provided PWR cable

NMEA 2000 Micro (drop) Cable
Female - Male
1 meter = 000-167-962
2 meter = 000-167-963
5 meter = 000-166-951
6 meter = 000-167-964
(Drops are limited to 6m MAX)

Power "T"
AIR-335-661
w/8 meter
cable

"T" Connector
AIR-052-531
Fem/Fem/Male

Terminator
Male
AIR-335-791

NMEA 2000 Micro (Backbone) Cable
Female - Male
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5 meter = 000-166-951
6 meter = 000-167-964
10 meter = 001-105-850
20 meter = 001-105-860
(Micro Backbones are limited to 100 meters of length MAX)

white NET-S (power) J2 side
black NET-C (ground) J2 side
grey shield (drain)
blue NET-C (ground) J1 side
brown NET-S (power) J1 side

This is to supply voltage for the NMEA 2000 Bus. The minimum voltage is 9 VDC and the maximum is 16 VDC.

NMEA 2000 Micro (Backbone) Cable
Female - Male
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5 meter = 000-166-951
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10 meter = 001-105-850
20 meter = 001-105-860
(Micro Backbones are limited to 100 meters of length MAX)

"T" Connector
AIR-052-531
Fem/Fem/Male

Terminator
Male
AIR-335-791