

FT016 12-Pin 12-Wire Cable Assembly

CABLES & CONNECTORS FOR FT602



PRODUCT SPECIFICATION

Product	FT602 operation cable 1.5 m
Connector Type	12-pin connector
Cable Type	12 Core, screened cable
Communication Interfaces	RS485, RS422, CANBus (RS485), UART

CABLE CONSTRUCTION

Outer Diameter	6.0 to 6.5 mm
Temperature Rating	-20°C to +85°C
UV Resistance	EN50021:1999 compliant

MECHANICAL DETAILS

Cable Length	1500 mm (±250 mm)
End A	Bulgin PX0410/12S/6065
End B	Unterminated - end stripped: 10 mm (±5 mm)

TYPICAL APPLICATIONS

FT602-D-SM sensor installations
Harsh-environment wind measurement systems
Outdoor industrial monitoring

QUALITY & COMPLIANCE

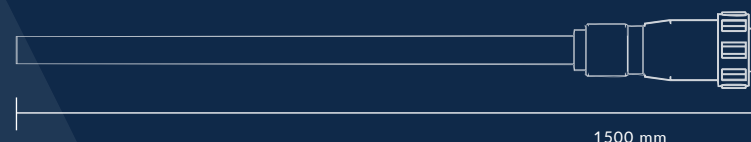
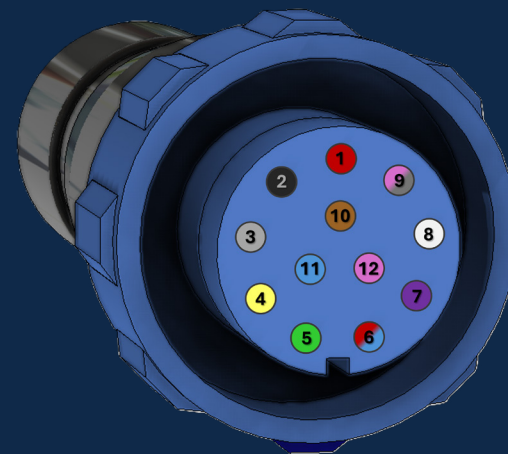
All cables electrically tested for open-circuit and short-circuit conditions
Crimping and connector compliant with IPC/WHMA-A-620 Class 3

9001819 REV A01

FT Technologies - Sunbury House, Brooklands Close - Sunbury-on-Thames TW16 7DX, United Kingdom
sales@fttechnologies.com +44 20 8943 0801

The FT and Acu-Res logos and the Acu-Res® name are registered trade marks of FT Technologies Ltd.

Information furnished by FT Technologies Ltd is believed to be accurate and reliable. However, no responsibility is assumed by FT Technologies for its use; not for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any rights of FT Technologies Ltd.



1500 mm

ELECTRICAL INTERFACE

PIN	FUNCTION	FT016 CORE COLOUR
1	5-26VDC	RED
2	0V	BLACK
3	DATA GROUND	GREY
4	RS422 TX DATA A -	YELLOW
5	RS422 TX DATA B +	GREEN
6	RS485/RS422 RX DATA B +	RED-BLUE
7	RS485/RS422 RX DATA A -	VIOLET
8	UART RX	WHITE
9	UART TX	PINK-GREY
10	N/C	BROWN
11	CAN-LOW	BLUE
12	CAN-HIGH	PINK

FT017 Free-End Connector (12-Way)

CABLES & CONNECTORS FOR FT602



PRODUCT SPECIFICATION

Product	FT602 free-end connector (12-way)
Environmental Protections	UV-resistant, suitable for outdoor and industrial environments
Communication Interfaces	RS485, RS422, UART, CANBus

MECHANICAL CONSTRUCTION

Connector Type	Bulgin PX0410/12S/6065
Cable Acceptance	6.0 to 6.5 mm
Contact Type	SA3179 crimp terminals
Ingress Protection	IP68 when correctly mated

ELECTRICAL INTERFACE

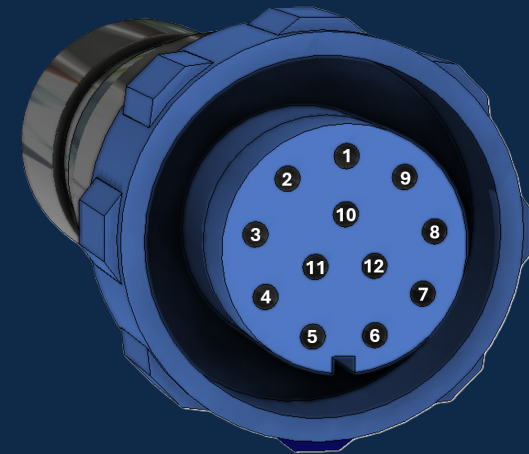
Contact Positions	12 contact positions
Pinout Compatibility	Matches the FT602-D-SM pinout

ASSEMBLY REQUIREMENTS

Requires a compatible ratchet crimp tool; see Bulgin assembly guidelines

QUALITY & COMPLIANCE

Connector conforms to IEC 61076-2-101 (per FT602 manual)
Materials compliant with RoHS2 (2011/65/EU)
UV resistance EN50021:1999 compliant
Ratings apply to the connector and gland only
The mating cable carries its own temperature, UV and voltage ratings



FT017 - WHAT'S INCLUDED

1 x 12-way connector housing
12 x crimp contacts
1 x rear cable gland

9001819 REV A01

FT Technologies - Sunbury House, Brooklands Close - Sunbury-on-Thames TW16 7DX, United Kingdom
sales@fttechnologies.com +44 20 8943 0801

The FT and Acu-Res logos and the Acu-Res® name are registered trade marks of FT Technologies Ltd.

Information furnished by FT Technologies Ltd is believed to be accurate and reliable. However, no responsibility is assumed by FT Technologies for its use; not for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any rights of FT Technologies Ltd.

FT018 12-Pin 4-Wire Cable Assembly

CABLES & CONNECTORS FOR FT602



PRODUCT SPECIFICATION

Product	FT602 RS422 operation cable 35 m
Connector Type	12-pin connector
Cable Type	4 core, screened cable, AWG24-28
Communication Interfaces	RS422 half duplex (receive only)

CABLE CONSTRUCTION

Outer Diameter	4.0 to 4.5 mm
Temperature Rating	-20°C to +85°C
UV Resistance	EN50021:1999 compliant

MECHANICAL DETAILS

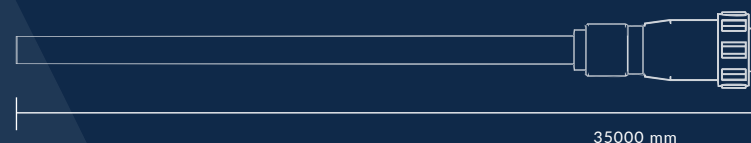
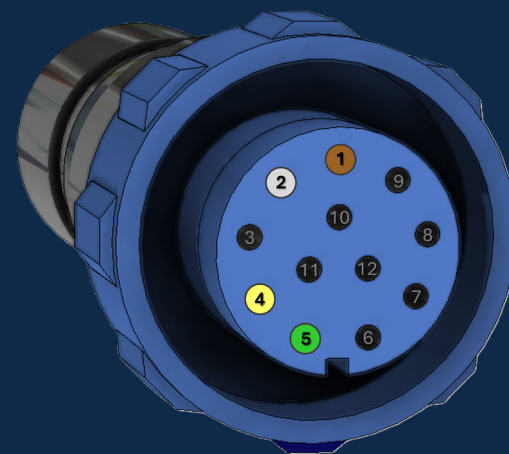
Cable Length	35000 mm
End Strip Length	10 mm ±5 mm
End A	Bulgin PX0410/12S/4045
Crimp Terminals	Bulgin SA3179

TYPICAL APPLICATIONS

FT602-D-SM sensor installations
Long-distance RS422 data transmission
Harsh-environment wind measurement systems
Outdoor industrial monitoring

QUALITY & COMPLIANCE

All cables electrically tested for open-circuit and short-circuit conditions
Crimping and connector compliant with IPC/WHMA-A-620 Class 3



ELECTRICAL INTERFACE

PIN	FUNCTION	FT018 COLOUR
1	5-26VDC	BROWN
2	0V	WHITE
4	RS422 TX DATA A -	YELLOW
5	RS422 TX DATA B +	GREEN

9001819 REV A01

FT Technologies - Sunbury House, Brooklands Close - Sunbury-on-Thames TW16 7DX, United Kingdom
sales@fttechnologies.com +44 20 8943 0801

The FT and Acu-Res logos and the Acu-Res® name are registered trade marks of FT Technologies Ltd.

Information furnished by FT Technologies Ltd is believed to be accurate and reliable. However, no responsibility is assumed by FT Technologies for its use; not for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any rights of FT Technologies Ltd.