



## Fibre optic KIT FO series

### art. 19-005B FO-KIT LNB+TX SAT-DTT

This kit is composed by:

- a wideband LNB;
- a SAT-DTT optical transmitter;
- a 20V 1.2A power supply.

The wideband LNB is equipped with two outputs, one for each polarization (V and H), which have to be connected to the respective inputs of the optical transmitter. The LNB draws power exclusively from the vertical polarization connector.

The SAT-DTT optical transmitter has five connectors:

- a FC/UPC optical output connector, where the signals, transformed by electric in optical, are transmitted in the second optical transmission window (1310 nm);
- two F connectors, for the connection with the LNB outputs (V and H);
- an F connector, for mixing DTT signals;
- an F connector, for power supply.

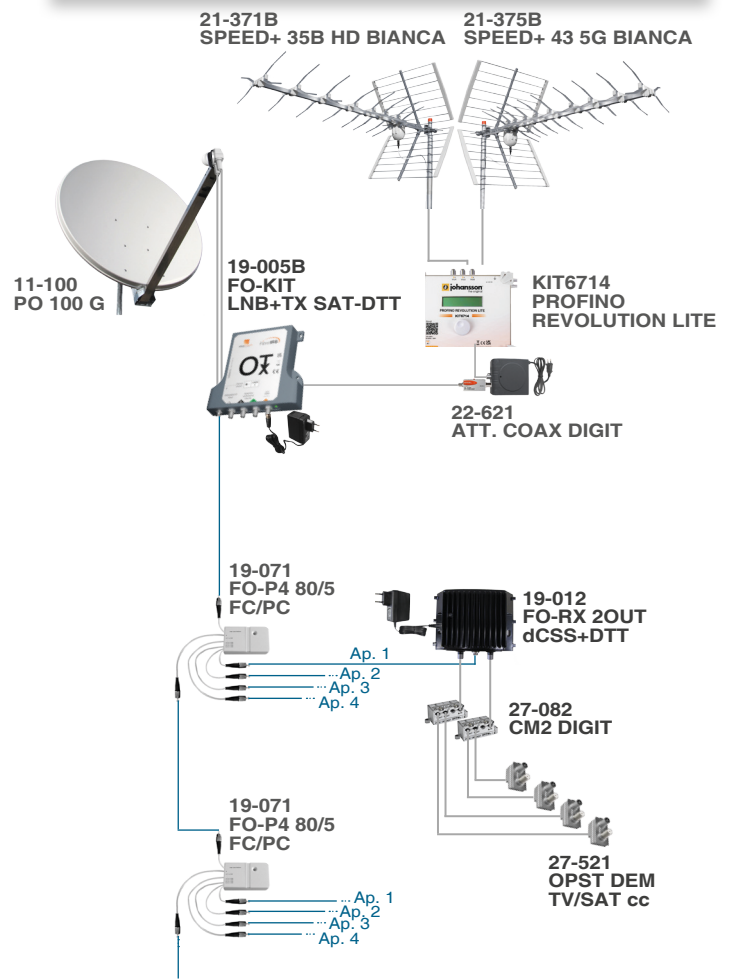
The kit allows to connect up to 32 optical receivers, at a maximum distance of 10 km from the dish.

Each of these receivers will be considered as a source of TV-SAT signals that can be distributed to a maximum of 4 STB per optical receiver or to a multiswitch cascade, in the case of more complex systems.



Code Item		19-005B FO-KIT LNB+TX SAT-DTT
<b>LNB</b>		
LNB input frequency range	GHz	10,75 ÷ 12,75
No. wideband outputs		2 (V e H)
LNB outputs connectors		screw F type
Feed LNB diameter	mm	40
LNB dimensions (LxWxH)	mm	100x55x55
<b>SAT-DTT optical TX</b>		
No. TV-SAT optical outputs		1
No. TV inputs		1
No. SAT inputs		2
Optical output connector		FC/UPC
TV input connector		screw F type
SAT input connectors		screw F type
Power supply connector		screw F type
SAT wideband input frequency range	MHz	290 ÷ 2340
TV input frequency range	MHz	88 ÷ 694
Nominal impedance	Ω	75
SAT input power (for 40 transponders)	dBμV	70 min ; 85 max
TV input power	dBμV	70 max
Gain ripple across 28MHz	dB	1
Optical output power	dBm	+7 max
Optical wavelength	nm	1310 ±20
Type of fibre optic for wiring		single mode 9/125
Fibre class		1M
Input voltage	Vdc	20
Current consumption (excluding connected devices)	mA	350 max
Output voltage Vertical and Terrestrial	Vdc	12
Output voltage Horizontal	Vdc	18
Maximum upstream current	mA	500
Optical TX dimensions (LxWxH)	mm	163x28x163
<b>POWER SUPPLY UNIT (included)</b>		
AC mains		100+240V~ 0,5A, 50+60 Hz
Delivered voltage and current		20Vcc 1,2A
Power supply dimensions (LxWxH)	mm	95x35x90
<b>GENERAL</b>		
Packaging dimensions (LxWxH)	mm	172x172x110
Packaging weight	Kg	0,91
Fit temperature	°C	-20 ÷ +60
Storage temperature	°C	-40 ÷ +70

### Example of application



Rev. 0 12.2022

