Data sheet

OFFEL
Sistemi di ricezione TV e SAT

Made in Italy

# Indoor multiband amplifier

## with high output level FX series

## art. 26-550/40-42
## FX5/40 1-3-4-5-U

Indoor multiband amplifier with high output level, with broadband inputs, indicated for large size TV systems.

This amplifier is designed to optimize the amplification of DTT signals in the range E02÷E60, attenuating the LTE 800 MHz band without preventing the proper functioning of the channel E60.

Protection system against short circuits with LED notification.
With GSM trap, FM frequencies trap and radio amateur frequencies trap (35 dB Typ.).

Realized into fully shielded die cast metal housing with F connectors.
With an output and a monitor output (- 30 dB).

Each input is equipped with a coaxial attenuator (0÷20 dB) as level regulator and a switch to enable remote power supply (12 or 15 Vdc).

The band 3 includes up to S32 channel (398 MHz), with the exception of FM signals.

The band 4 includes up to E40 channel (630 MHz), while the band 5 includes from E42 channel to E60 channel (638÷790 MHz).

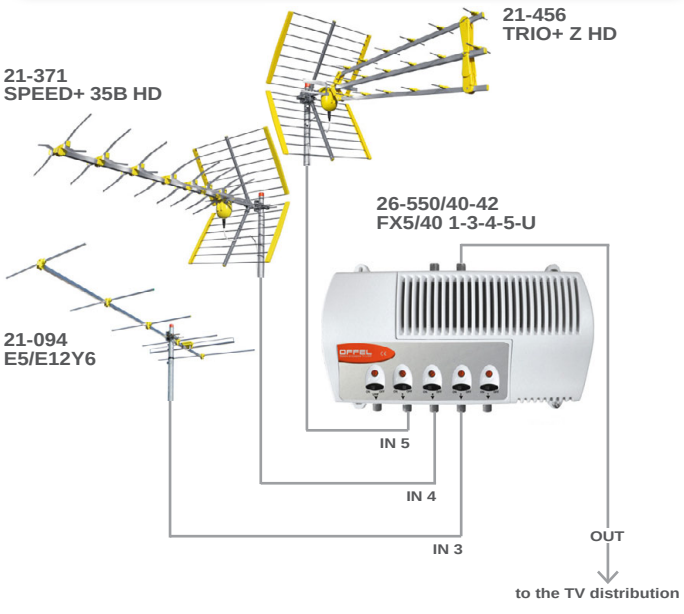
### Characteristics

- Components with a high quality standard
- Shielded die cast metal housing with screw F-type connectors
- Protection system against short circuits with LED notification
- GSM trap, FM frequencies trap and radio amateur frequencies trap (35 dB Typ.)
- 12 or 15 Vdc remote power supply
- Separate amplification for the VHF and UHF bands

| Code | | 26-550/40-42 |
|---|---|---|
| **Item** | | **FX5/40 1-3-4-5-U** |
| No. of inputs | | 5 |
| No. of coaxial attenuators (0÷20 dB) | | 5 |
| VHF band noise figure | dB | 4 |
| UHF band noise figure | dB | 8 |
| VHF band max output level* | dBµV | 121 |
| UHF band max output level* | dBµV | 131 |
| Band 1 gain | dB ±2 | 39 |
| Band 3 gain | dB ±2 | 40 |
| Band 4 gain | dB ±2 | 39 |
| Band 5 gain | dB ±2 | 40 |
| UHF band gain | dB ±2 | 41 |
| Max delivered current | mA | 100 |
| Remote power supply | Vdc | 12 or 15 |
| Max power consumption | VA | 16 |
| AC main tension | | 230 V~ ±10% 50Hz |
| Isolation class | | II |
| Dimensions (LxWxH) | mm | 245x150x50 |
| Packaging dimensions (LxWxH) | mm | 300x162x58 |
| Packaging weight | Kg | 1,37 |
| Fit temperature | °C | -10 ÷ +55 |
| Compliant to | | EN 55083-2, EN 60065 |

* Maximum output level measured with the method IM3 -35dBc 2 tones.
Technical data refer to a temperature of 25 °C

**Example of application**






**Offel s.r.l.** Via Lato di Mezzo, 32 Lugo (RA) - Italy Tel. +39 0545/22542 Fax +39 0545/30439 P.I. 00449020395 **www.offel.it**