

Splitters, taps and optical cables

Characterised by their compact size, the Home Fibre splitters and taps distribute signals throughout the building on a single-mode fibre optic cable (operating wavelength 1260nm - 1590nm).

The innovative "MINI" optical connector, just 3mm in diameter, ensures easy wiring in any installation environment. The cables are supplied pre-terminated and the optical connections are protected by caps.

A339469 FFO_EN 5/14



"MINI" optical connector
Ø 3mm



Splitters

| Item | VOV 2 | VOV 4 |
|----------------|--------|--------|
| Fracarro code | 287210 | 287211 |
| Type | 1 X 2 | 1 X 4 |
| Insertion loss | dB | dB |
| | <3.9 | <7.8 |

Taps - 1 way

| Item | VOT 7/3 | VOT 8/2 | VOT 9/1 |
|---------------|---------|---------|---------|
| Fracarro code | 287212 | 287213 | 287214 |
| Through loss | dB | dB | dB |
| | <2.1 | <1.5 | <0.8 |
| Tap loss | dB | dB | dB |
| | <6.4 | <8.5 | <12.7 |

Taps - 4 ways

| Item | VOT 1/2 | VOT 2/3 | VOT 3/4 |
|---------------|---------|---------|---------|
| Fracarro code | 287215 | 287216 | 287217 |
| Through loss | dB | dB | dB |
| | <3.8 | <3.1 | <2.5 |
| Tap loss | dB | dB | dB |
| | <11.4 | <13.7 | <15 |

Optical cables

| Item | Code | Length |
|-------|--------|--------|
| PR003 | 287219 | 3mt |
| PR005 | 287220 | 5mt |
| PR010 | 287221 | 10mt |
| PR025 | 287222 | 25mt |
| PR035 | 287327 | 35mt |
| PR050 | 287328 | 50mt |
| PR075 | 287329 | 75mt |
| PR100 | 287223 | 100mt |

Single mode
pre-terminated fibre
cables of varying
lengths

Mini adapters

| Item | Code |
|------------------------|-------------------|
| Connecting accessories | MIN/MIN 287225 |
| Adapter SC/APC MINI | PR ADAPT 287226 |
| PULL adapter | PULLCON 287224 |
| | OPTATT3dB 287239 |
| Optical attenuators | OPTATT7dB 287238 |
| | OPTATT14dB 287237 |

Fracarro Home Fibre

4 SAT + DVB-T
over one fibre

Fibre Optic
for DVB-T and SAT
distribution systems
in residential buildings
up to 4 SAT + DVB-T
over just one cable

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Fracarro Home Fibre

Transmitters

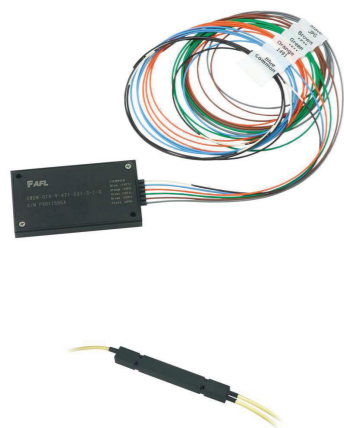
The new Home Fibre optical transmitters work in the 2nd and 3rd optical windows (1310-1600nm) and manage both **SAT signals** - from a traditional 4 LNB and dish combination - including full bandwidth **DVB-T terrestrial signals**. Equipped with automatic gain control (AGC), the solution - based on WDM technology - enables the distribution of up to **4 satellites plus full terrestrial over just one fibre cable**.



| | OPT-TX DT | OPT-TX 1510 | OPT-TX 1530 | OPT-TX 1550 | OPT-TX 1570 |
|-----------------------|-------------------------|-------------|-------------|-------------|-------------|
| Fracarro code | 270694 | 270667 | 270668 | 270669 | 270670 |
| Optical output | | | | | |
| Connectors | SC/APC | | | | |
| Wavelength | 1310 | 1510 | 1530 | 1550 | 1570 |
| Optical power | 7.5dBm | 9.5dBm | 9.5dBm | 9.5dBm | 9.5dBm |
| Main features | | | | | |
| Mains | 184 - 264/50 - 60Vac/Hz | | | | |

WDM Diplexers

WDM diplexers are passive optical multiplexers and demultiplexers, enabling distribution of multiple optical signals at different wavelengths through a single optical fibre network distribution. Suitable for Fracarro Home Fibre systems as well as other WDM installations.



| CWDM 5 | |
|--------------------|------------------------------|
| Fracarro code | 287341 (MUX) 287342 (DEMUX) |
| Optical connectors | SC/APC |
| Wavelength | 1310, 1510, 1530, 1550, 1570 |
| CWDM 2 | |
| Fracarro code | 287343 (MUX-DEMUX) |
| Optical connectors | SC/APC |
| Wavelength | 1310, 1550 |

Receivers

Our range of optical receivers include **several options**, tailored to different system requirements: from the Quad with 4 universal outputs for direct connection to the TV, to the Quattro with five independent outputs (HL, VL, HH, VH and TV) for multiswitch systems. There is also a version available with a single terrestrial output.



OPT-RX DT

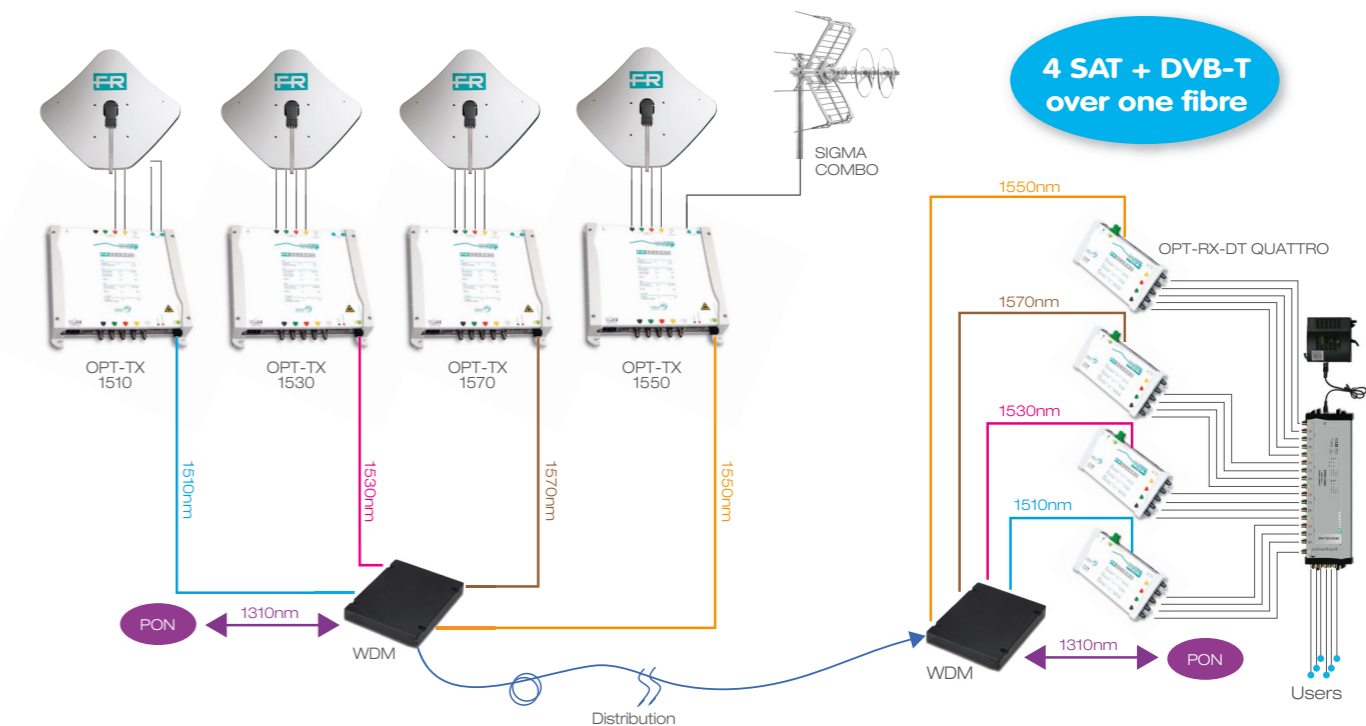
| | | |
|---------------|--------|--------------------|
| Fracarro code | 270693 | |
| Optical input | No. | 1 SC/APC |
| RF outputs | No. | 4 universal TV/SAT |

OPT-RX DT Quattro

| | | |
|---------------|--------|-------------------------------|
| Fracarro code | 270695 | |
| Optical input | No. | 1 SC/APC |
| RF outputs | No. | 5 (4 SAT polarities + 1 TERR) |

OPT-RX TV

| | | |
|---------------|--------|----------|
| Fracarro code | 270696 | |
| Optical input | No. | 1 SC/APC |
| RF outputs | No. | 1 TERR |



4 SAT + DVB-T over one fibre