




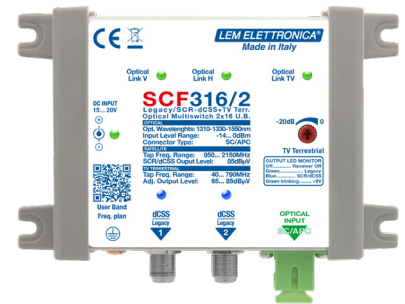


SCF316/2

Single Satellite Fibre Optic Multiswitches 2 outputs

-  **2 x Legacy/dSCR-DTT/DAB/FM outputs**
-  **Optical link monitor Led**
-  **A.G.C. for each output**
-  **Level adjuster for TV terrestrial signal**
-  **Supplied with power supply**



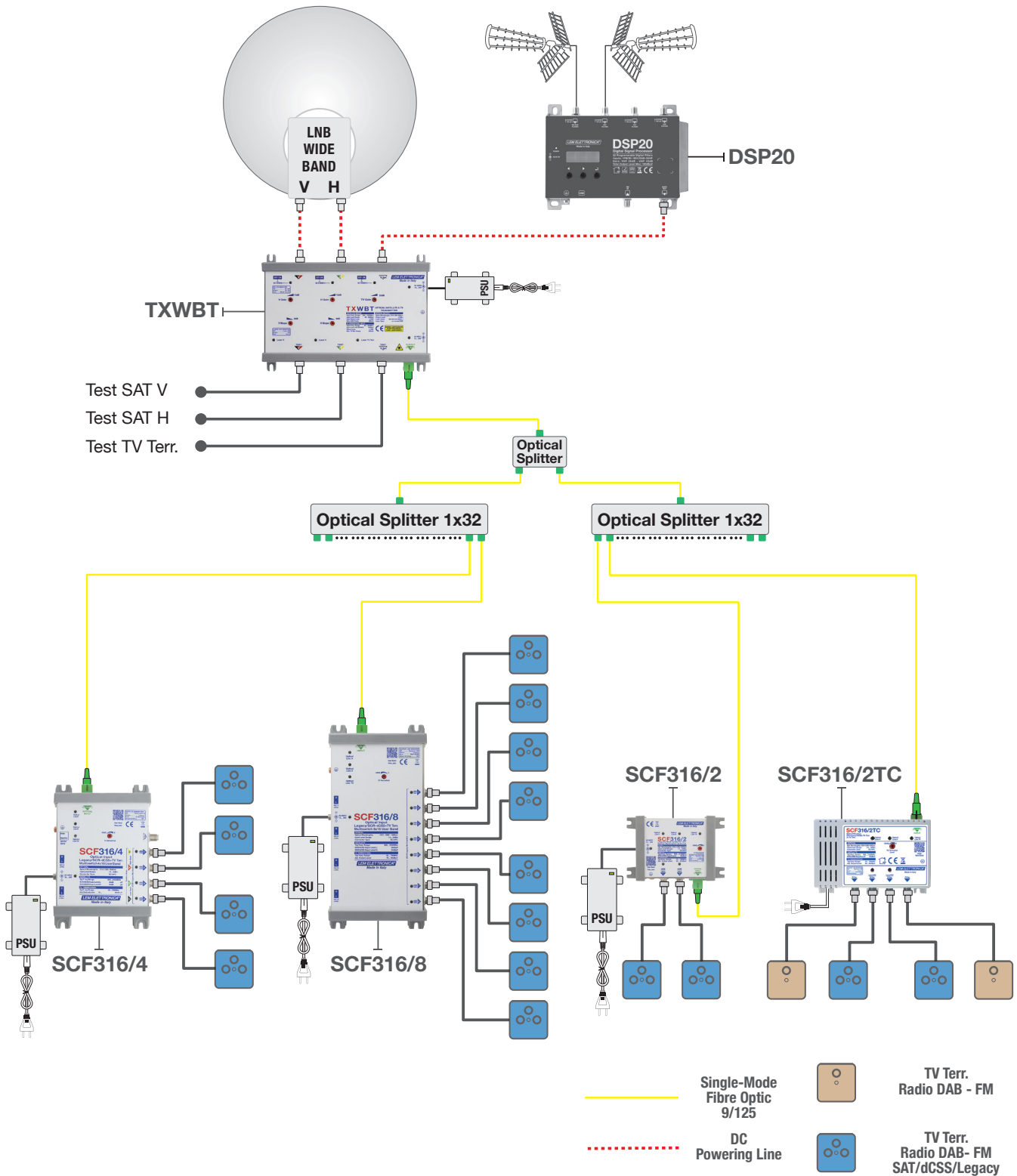
Multi-output dSCR optical converter for distribution of a one satellite and terrestrial (TV/FM/DAB) signals over a single single-mode optical fibre.

Ready for
UHDTV

5
WARRANTY YEARS

| MODEL | | SCF316/2 |
|---|------|--|
| OPTICAL INPUT | | 1 |
| OUTPUTS (TERRESTRIAL+SATELLITE) | | 2 |
| OPTICAL | | |
| OPERATION WAVELENGTH | nm | 1310 - 1330 - 1550 |
| INPUT POWER RANGE | dBm | -14... 0 |
| INPUT CONNECTOR TYPE | | SC/APC |
| RETURN LOSS | dB | ≥40 |
| SATELLITE | | |
| OUTPUT BANDWIDTH | MHz | 950... 2150 |
| SCR/dCSS OUTPUT LEVEL | dBμV | 85 |
| LEGACY OUTPUT LEVEL | dBμV | 75 |
| SATELLITE CONTROL STANDARDS | | Universal LNB Voltage & Tone / DiSEqC 1.0 / DiSEqC 2.0 |
| SSCR/dCSS/dSCR PROTOCOLS | | EN50494 / EN50607 / SKY UK |
| AVAILABLE USER BAND FREQUENCY PLANS | | SKY ITALIA - SKY UK / DSTV SOUTH AFRICA / POLSAT |
| TV TERRESTRIAL / FM / DAB | | |
| OUTPUT BANDWIDTH | MHz | 40... 790 |
| DIPLEXED OUTPUT MAXIMUM LEVEL | dBμV | 85 |
| OUTPUT LEVEL ADJUSTABLE RANGE | dB | 0... -20 |
| OTHERS | | |
| ISOLATION BETWEEN SATELLITE/TERRESTRIAL | dB | ≥ 40 |
| ISOLATION V / H | dB | > 30 |
| OUTPUT RETURN LOSS | dB | > 12 |
| DC INPUT VOLTAGE RANGE | V | 12... 20 |
| MAXIMUM CONSUMPTION | W | 4,5 |
| OPERATING TEMPERATURE | °C | 0... 50 |
| DIMENSIONS | mm | 127x90x38 |

Connection Diagram



Distribution of a satellite and terrestrial feed (DTT; FM; DAB) over a single mode optical fibre

The TXWBT headend converts and transmits over a single-mode fibre optical cable the terrestrial feeds and the transponders of a satellite received from a Wide Band LNB. Each SCF316 series optical converter output provides terrestrial and satellite signals supporting the legacy or dSCR standards (AUTO-SWITCH).