






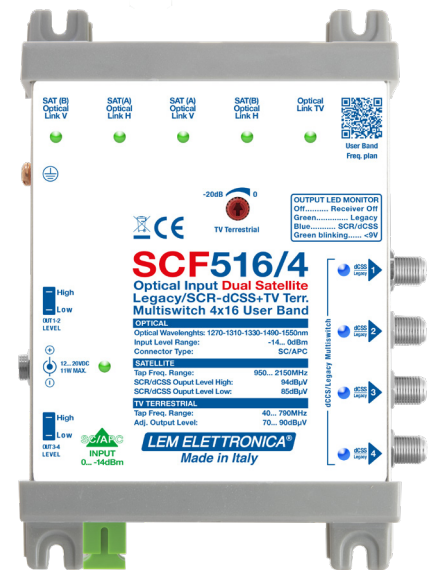


SCF516/4

Two Satellites Fibre Optic Multiswitches 4 outputs

-  Reception of 2 satellites and terrestrial feed
-  4 x Legacy/dSCR - DTT/DAB/FM outputs
-  Output booster for satellite signals
-  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 signals from two satellites and terrestrial feed (TV/FM/DAB) over a single-mode optical fibre.

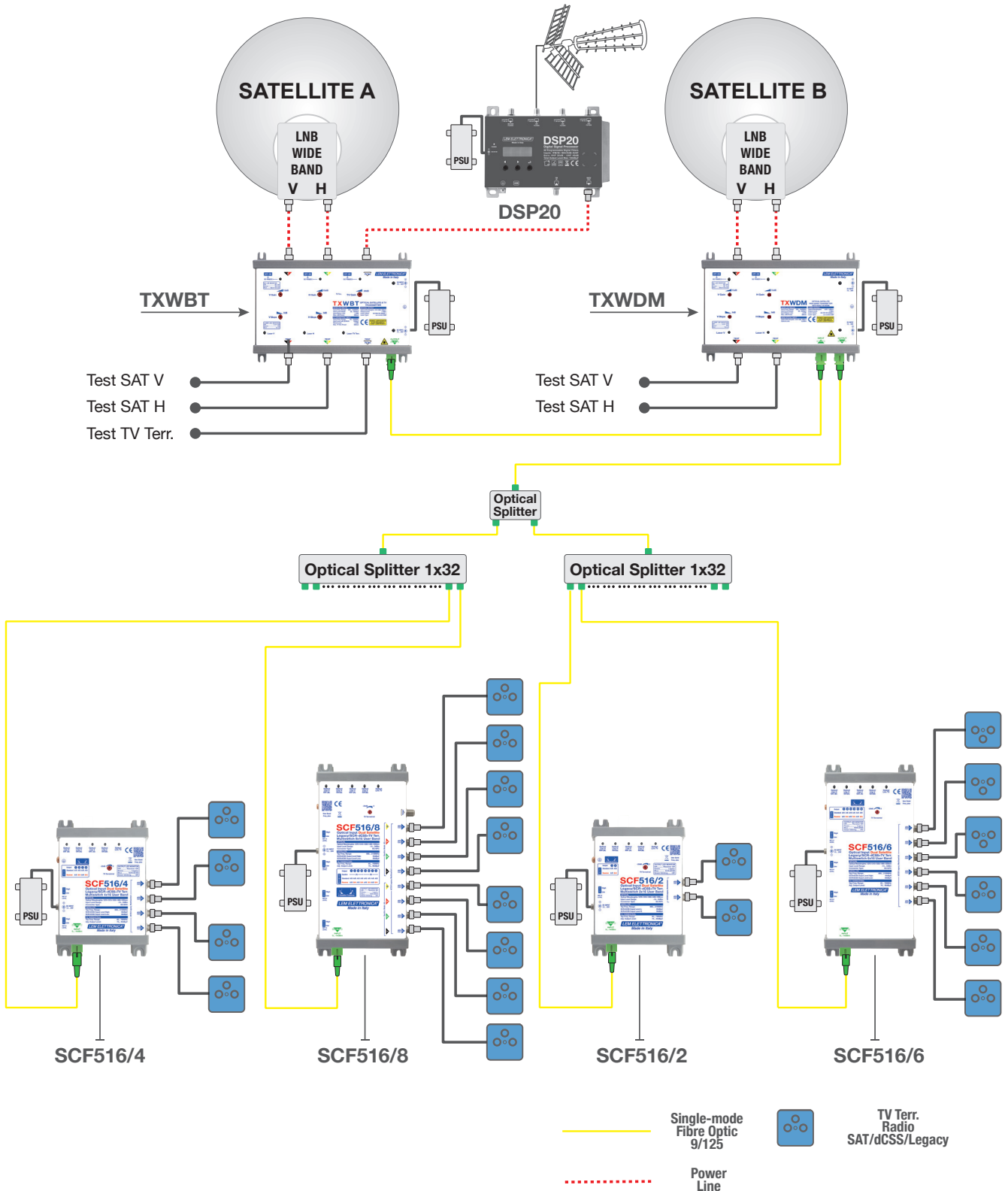


Ready for
UHDTV



MODEL		SCF516/4
OPTICAL INPUT		1
RF OUTPUTS		4
OPTICAL		
OPERATION WAVELENGTHS	nm	1.270 - 1310 - 1330 - 1.490 - 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 Booster OFF / 94 Booster ON
LEGACY OUTPUT LEVEL	dBμV	75 Booster OFF / 80 Booster ON
SATELLITE CONTROL STANDARDS		Universal LNB Voltage & Tone / DiSEqC 1.0 / DiSEqC 2.0
SCR/dCSS/DSCR PROTOCOLS		EN50494 / EN50607 / SKY UK (AUTO-SWITCH)
AVAILABLE USER BAND FREQUENCY PLANS		SKY ITALIA - SKY UK / DSTV SOUTH AFRICA / POLSAT
TV TERRESTRIAL / FM / DAB		
OUTPUT BANDWIDTH	MHz	40... 790
MAXIMUM OUTPUT 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	11
OPERATING TEMPERATURE	°C	0... 50
DIMENSIONS	mm	172x118x38

Connection Diagram



Distribution of two satellite and terrestrial feeds (DTT, FM, DAB) over a single-mode optical fibre.

The **TXWBT** and **TXWDM** headends convert and transmit the terrestrial feeds and all the transponders of two satellites received from two wideband LNB over a single mode fibre. The **SCF516** series optical multiswitches receive and convert to RF for single or multi-dwelling coaxial distribution. Each **SCF516** multiswitch output provides terrestrial and satellite signals and fully supports Diseqc control in legacy and SCR/dCSS standards.