

D·S·E

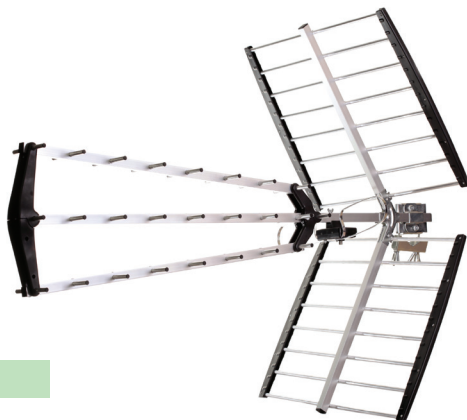
DIGITAL SATELLITE EQUIPMENT

CATALOGUE 2012

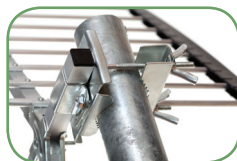


TERRESTRIAL TV OUTDOOR ANTENNA

- » antenna recommended for DVB-T
- » components water resistant and UV
- » fast installation
- » digital-compatible



Name	TX 5000
Gain	17 dB
Frequency range	470-865 MHz
Band UHF (TV channels)	21-69 ch
Front/back ratio	25 dB
Polarization	Horizontal
Connector	F
Number of elements	27
Impedance	75 Ohm
Packaging	2 parts (boxes)
Weight	1,62 kg
Length	1040 mm



Example installation:
TLA-100 DVB-T amplifier with TX5000 antenna



LINE CATV/DVB-T AMPLIFIERS

Remote feedable, cast housing,

- » TLA 110 and TLA 210 - remote feedable 5V from DVB-T receiver
- » TLA 100 and TLA 200 - remote feedable 12V from power inserters
- » TLA 200A - with adjustable attenuator, for indoor use only

Model	TLA-100	TLA-110	TLA-200	TLA-210	TLA-200A
Frequency range	47-862 MHz	47-862 MHz	47-862 MHz	47-862 MHz	47-862 MHz
Gain	10 dB	10 dB	20 dB	20 dB	15-30 dB
Output level	95 dB μ V	95 dB μ V	106 dB μ V	106 dB μ V	102 dB μ V
Noise factor	2 dB	2 dB	2 dB	2 dB	2 dB
Power	12-24 V	5 V	12-24 V	5 V	12 V
Power consumption	\leq 30 mA	\leq 30 mA	\leq 65 mA	\leq 65 mA	\leq 80 mA



LINE SAT AMPLIFIERS

- » SLA-100 - without slope control,
- » SLA-110 - with slope control
- » SLA-200 - wideband type with slope control for use with multi-switch output
- » Digital-compatible, small cast housing, with bracket for easy mounting

The amplifier is powered through the coaxial cable from the receiver, multiswitch or power inserter.

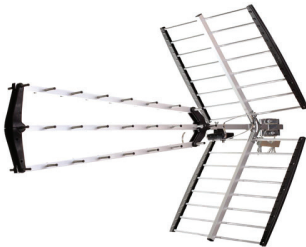
Model	SLA-100	SLA-110	SLA-200
Frequency range	950-2200 MHz	950-2200 MHz	47-2200 MHz
Gain	20 dB	15-18 dB	14-20 dB
Output level	106 dB μ V	108 dB μ V	113 dB μ V
Noise factor	7 dB	7 dB	6 dB
Power	12-18 V	12-18 V	12-18 V
Power consumption	300 mA	300 mA	400 mA



OPF-10 CATV/SAT OVERVOLTAGE PROTECTOR (F-male/F-female)

- » The Ideal precautionary measure against surges caused by thunderstorms
- » Can be operated in the whole frequency range 5-2400 Mhz.
- » It can take over surges up to 8000 A.

Model	OPF-10
Frequency range	5-2400 MHz
Through loss	≤ 1 dB
Current-carrying capacity	max. 8000 A (8/20 μs)
DC power pass	YES



Surge protector - an ideal device for everyone who cares for their TV and satellite equipment:

- » multiswitch,
- » satellite receiver,
- » TV set,
- » DVD / Bluray players,
- » HI-FI equipment.



ATTENUATORS

CATV/SAT ADJUSTABLE ATTENUATORS

The device is intended to reduce signal level in antenna installations.

The attenuator has a cast housing, which guarantees effective reduction of interference. Digital-compatible.

Name	TAA-01	SAA-01
Frequency range	0,1 - 1000 MHz	0,1 - 2400 MHz
Attenuator adjustment range	0,5 - 20 dB	0,5 - 20 dB
Screening factor	> 80 dB	> 75 dB
DC power pass	NO	YES
Through loss	≤ 2 dB	≤ 2 dB
Impedance	75 Ω	75 Ω



CATV ATTENUATORS

The attenuators has a high stability of the attenuation, without the risk of changes in attenuation.

Different colors make it easy to choose a series of individual parameters.

Model	TA01-03	TA01-06	TA01-08	TA01-10	TA01-12	TA01-16	TA01-20
Attenuation	3 dB	6 dB	8 dB	10 dB	12 dB	16 dB	20 dB
Frequency range	0,1-1000 MHz						



COMBINERS

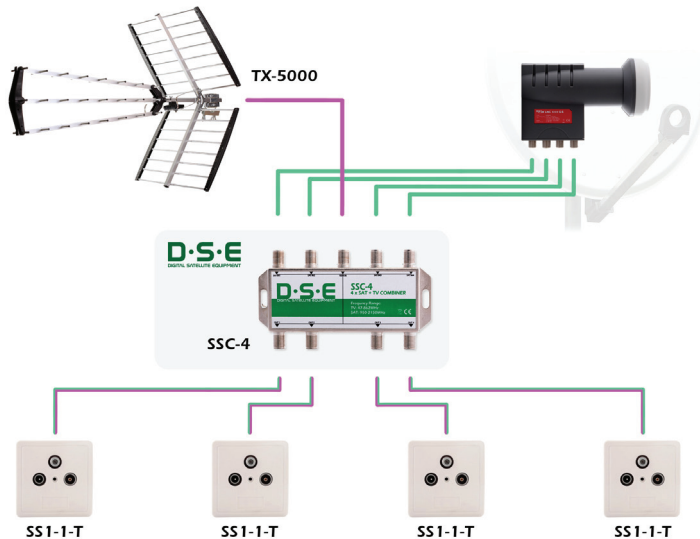


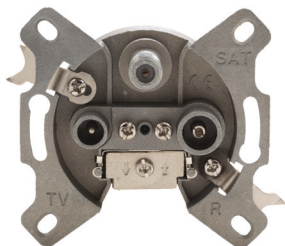
CATV/SAT COMBINER

- » SSC1 - for combining terr. and satellite (single LNB) inputs onto a common line
- » SSC2 - for combining terr. and satellite (twin LNB) inputs onto two common lines
- » SSC4 - for combining terr. and satellite (quad LNB) inputs onto four common lines
- » DC power pass, digital-compatible
- » For splitting the satellite and terrestrial TV signals we recommend to use DSE outlets.



Name	SSC-1	SSC-2	SSC-4
Number of SAT inputs	1	2	4
Number of terrestrial TV inputs	1	1	1
Frequency range terrestrial	47-862 MHz	47-862 MHz	47-862 MHz
Frequency range SAT	950-2250 MHz	950-2250 MHz	950-1250 MHz
Through loss terrestrial	2,5 dB	5 dB	8 dB
Through loss SAT	2,5 dB	2 dB	2 dB





ANTENNA WALL OUTLETS TERMINAL AND LOOP-THROUGH TYPES

- » SS1-1-T - terminal antenna wall outlet for installation with radio, TV and SAT receiver
- » SS3-2-T - terminal antenna wall outlet for installation with radio, TV and SAT receiver with two heads or optionally two receivers
- » SS2-1-10 - loop-through antenna wall outlet with through loss 10 dB.
- » Frame, front cover and outer cover include
- » For easy mounting on wall or inside wall



Name	SS1-1-T	SS2-1-10	SS3-2-T
Frequency range	5 - 2400 MHz	5 - 2400 MHz	5 - 2400 MHz
Connector TV	120 - 862 MHz 5 - 65 MHz	120 - 862 MHz 5 - 65 MHz	120 - 862 MHz 5 - 65 MHz
Tap loss / Return Path	max. 2 dB max. 3 dB	10 dB 10 dB	max. 2 dB max. 1,5 dB
Connector R	87,5 - 108 MHz	87,5 - 108 MHz	87,5 - 108 MHz
Tap Loss	max. 2,2 dB	10 dB	max. 1,5 dB
Connector SAT 1	950 - 2400 MHz	950 - 2400 MHz	950 - 2400 MHz
Tap loss	max. 1,5 dB	10 dB	max. 2 dB
Connector SAT 2	-	-	950 - 2400 MHz
Tap loss	-	-	max. 2 dB
Through loss	-	3-4 dB	-
Isolation internal	min. 20-40 dB	min. 20 dB	-
Isolation between two outlets	-	-	30-40 dB
DC power pass	YES	YES	YES
Dimensions (mm)	76 mm x 76 mm x 39 mm	76 mm x 76 mm x 39 mm	76 mm x 76 mm x 39 mm

Available accessories:



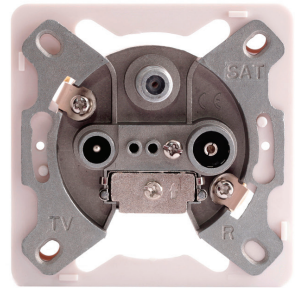
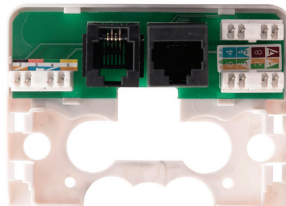
AAC -2 Terminating resistor, 75 Ohm



MULTIMEDIA OUTLET SS4-1T-M TERMINAL TYPE

- » Terminal type multimedia wall outlet for connecting radio, TV, satellite receiver, telephone and Ethernet.
- » With cover for easy mounting on wall

Name	SS4-1M-T
Frequency range	5 - 2400 MHz
Connector TV	120 - 862 MHz 5 - 65 MHz
Tap loss / Return Path	max. 2 dB max. 3 dB
Connector R	87,5 - 108 MHz
Tap Loss	max. 2,2 dB
Connector SAT 1	950 - 2400 MHz
Tap loss	max. 1,5 dB
Connector SAT 2	-
Tap loss	-
Through loss	-
Isolation internal	min. 20-40 dB
Isolation between two outlets	min. 20-40 dB
DC power pass	YES
Dimensions (mm)	76 mm x 76 mm x 39 mm





CATV HORIZONTAL SPLITTERS TSP1-xx

- » Operating in frequency range 5-1000 MHz (CATV, DVB-T)
- » Without DC pass
- » Horizontal arrangement of F inputs/outputs



Name	TSP1-2	TSP1-3	TSP1-4	TSP1-8
Type	2-way	3-way	4-way	8-way
Frequency range	5 - 1000 MHz	5 - 1000 MHz	5 - 1000 MHz	5 - 1000 MHz
DC pass	NO	NO	NO	NO
Loss 47 - 862 MHz	max. 3,9 dB	max. 6,4 dB	max. 7,9 dB	max. 12,2 dB
Return loss input/output	25 dB / 25 dB	25 dB / 24 dB	24 dB / 24 dB	24 dB / 22 dB
Isolation	> 25 dB	> 28 dB	> 28 dB	> 28 dB
Screening	> 100 dB	> 100 dB	> 100 dB	> 100 dB

CATV VERTICAL SPLITTERS TSP1-xxV

- » Operating in frequency range 5-1000 MHz (CATV, DVB-T)
- » Without DC pass
- » Vertical arrangement of F inputs/outputs



Name	TSP1-6V	TSP1-8V
Type	6-way vertical	8-way vertical
Frequency range	5 - 1000 MHz	5 - 1000 MHz
DC pass	NO	NO
Loss 47 - 862 MHz	max. 10,4 dB	max. 12,2 dB
Return loss input/output	24 dB / 24 dB	24 dB / 22 dB
Isolation	> 28 dB	> 28 dB
Screening	> 100 dB	> 100 dB



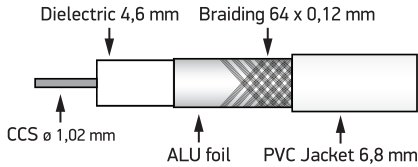
SATELLITE SPLITTERS SSP1-x

- » Operating in frequency range 5-2400 MHz
- » DC pass
- » Horizontal arrangement of F inputs/outputs

Name	SSP1-2	SSP1-3	SSP1-4	SSP1-8
Type	2-way	3-way	4-way	8-way
Frequency range	5 - 2400 MHz	5 - 2400 MHz	5 - 2400 MHz	5 - 2400 MHz
DC pass	YES	YES	YES	YES
Distribution Loss terr.	max. 3,5 dB	max. 7,5 dB	max. 9,2 dB	max. 15,5 dB
Distribution Loss SAT	max. 4,5 dB	max. 10,5 dB	max. 11 dB	max. 18,5 dB
Isolation internal	> 20 dB	> 20 dB	> 20 dB	> 20 dB
Screening	> 100 dB	> 100 dB	> 100 dB	> 100 dB



COAXIAL CABLES



RG6 CCS D510 COAXIAL CABLE

- » for SAT or CATV indoor installation
- » physically-foamed dielectric
- » AL foil, bonded
- » high screening efficiency
- » degressive metering
- » UV resistant
- » RoHS compliance

Name	D510
Inner conductor	1,02 mm CCS
Bonded Foil	AL / PET / AL
Braiding	64 x 0,12 mm
Extra Foil	-
Jacket	PVC White 6,8 mm
Atenuattion at	
47 MHz	4,7 dB/100 m
88 MHz	6,2 dB/100 m
175 MHz	9,0 dB/100 m
470 MHz	15,0 dB/100 m
865 MHz	21,4 dB/100 m
950 MHz	22,4 dB/100 m
2150 MHz	35,0 dB/100 m
2400 MHz	37,1 dB/100 m
Shielding	≥ 85 dB
Packaging	100 m cartoon or 250 m pull box



D510
100 m cartoon

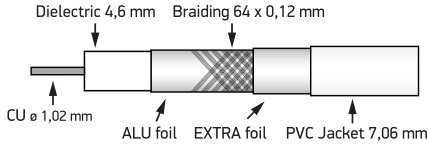


D510
250 m pull box

COAXIAL CABLES

RG6 CU D610 COAXIAL CABLE

- » for SAT or CATV indoor installation
- » physically-foamed dielectric
- » AL foil, bonded
- » high screening efficiency
- » degressive metering
- » UV resistant
- » RoHS compliance



Name	D610 TRISHIELD	D610 TWIN TRISHIELD
Inner conductor	1,02 mm CU	1,02 mm CU
Bonded Foil	AL / PET / AL	AL / PET / AL
Braiding	64 x 0,12 mm	64 x 0,12 mm
Extra Foil	AL / PET	AL / PET
Jacket	PVC White 7,06 mm	PVC White 7,06 mm
Attenuation at		
47 MHz	4,5 dB/100 m	4,5 dB/100 m
88 MHz	5,8 dB/100 m	5,8 dB/100 m
175 MHz	8,5 dB/100 m	8,5 dB/100 m
470 MHz	13,9 dB/100 m	13,9 dB/100 m
865 MHz	18,4 dB/100 m	18,4 dB/100 m
950 MHz	20,5 dB/100 m	20,5 dB/100 m
2150 MHz	30,2 dB/100 m	30,2 dB/100 m
2400 MHz	33,1 dB/100 m	33,1 dB/100 m
Shielding	≥ 95 dB	≥ 95 dB
Packaging	100 m cartoon or 250 m pull box	2 x 125 m pull box



D610 TRISHIELD
100 m cartoon



D610 TRISHIELD
250 m pull box

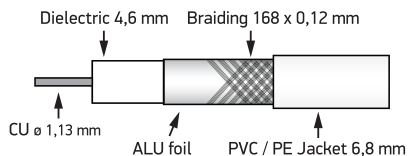


D610 TWIN TRISHIELD
2 x 125 m pull box

COAXIAL CABLES

RG6 CU D680 COAXIAL CABLE D680

- » for SAT or CATV indoor installation
- » physically-foamed dielectric
- » AL foil, bonded
- » high screening efficiency
- » degressive metering
- » UV resistant
- » RoHS compliance



Name	D680	D680 GEL
Inner conductor	1,13 mm CU	1,13 mm CU
Bonded Foil	AL / PES / AL	AL / PES / AL
Braiding	168 x 0,12 mm	168 x 0,12 mm
Foil	-	-
Jacket	PVC White 6,8 mm	PE Black GEL, UV 6,8 mm
Attenuation at		
47 MHz	4,3 dB/100 m	4,3 dB/100 m
88 MHz	5,8 dB/100 m	5,8 dB/100 m
175 MHz	8,0 dB/100 m	8,0 dB/100 m
470 MHz	13,3 dB/100 m	13,1 dB/100 m
865 MHz	18,1 dB/100 m	17,5 dB/100 m
950 MHz	20,1 dB/100 m	19,5 dB/100 m
2150 MHz	27,7 dB/100 m	27,5 dB/100 m
2400 MHz	31,2 dB/100 m	30,5 dB/100 m
Shielding	\geq 105 dB	\geq 105 dB
Packaging	100 m carton or 250 m pull box	100 m carton or 250 m pull box



D680
100 m carton



D680
250 m pull box



TL-1 COMPRESSION TOOL

- » suitable for all F compression connectors

Available accessories:



CCF-1
F RG6



CCB-1
BNC RG6



TL-2 STRIPPER FOR RG59, RG6, RG11 AND PHONE CABLES

- » strips the outer jacket and central conductor dielectric in a single operation
- » adjustable stripper for coaxial cable
- » two blades to strip outer shield
- » inner insulation of telephone cables

WATER PROTECTION SLEEVE ACC-1

- » neopren
- » UV-resistant



DC BLOCKER



Name	DCB-1
Frequency range	247 – 2200 MHz
Through loss	0,5dB
DC power pass	NO
Connectors	F

FLAT CABLES

- » low attenuation loss
- » transparent, printed circuit membrane (USC 025F)
- » easy way to bring your cable indoors through a window or door frame without drilling

Name	ESC 020F	USC 025F
Length	20 cm	25 cm
Thickness	1 mm	0,2 mm
Connectors	F	F
Attenuation	8 dB	5 dB



SATELLITE FINDER DSF-10



- » To set the optimal level of signal received by satellite dish
- » Very simple and easy to use
- » Equipped with acoustic signal
- » Adjustable sensitivity, backlit signal level display and a small compact design provides easy and intuitive operation
- » Remote powering from receiver, multiswitch etc. Doesn't require battery, always ready for use.

Name	DSF-10
Frequency range	950 - 2150 MHz
Min. input level	- 40 dBm
Max. input level	- 10 dBm
Max input	13 - 18 VdC
Backlit display	YES
Impedance	75 Ohm
Connectors	F

DVB-T FINDER DTF-10



- » LED indicator
- » To set up terrestrial analogue and digital antennas
- » Precise average measurement of the transmitter (dB)
- » Adjustable input level
- » Remote power supply from digital receiver or external power supply (9V)

Name	DTF-10
Frequency range	47-862 MHz
Input level adjustment range	20 dB
External powering (3,5 mm socket)	5-12 V
Remote powering from digital receiver (F socket)	5 V
Power consumption	25 mA
RF Connectors (input/output)	F-male
DC Connector (ext. power)	3.5 mm jack

CONNECTORS


F CONNECTORS

Packaging: 100 pcs. (foil bag)

Name	AF-01	AF-02	AF-03	AF-04
Details	7,0 mm	6,5 mm	5,2 mm	4,0 mm
				

COMPRESSION CONNECTORS

Packaging: 50 pcs. (foil bag)

Name	CCF-1	CCB-1
Details	F RG6	BNC RG6
		

ACCESSORIES

Name	ACC-1	ACC-2	ACC-3
Details	Water protection sleeve	Resistor 75 Ω Plug	Resistor 75 Ω Screw
			





ACCESSORIES





Name	ACC-4	ACC-5
Details	Outlet's cover	Outlet's frame
		

ADAPTERS

F ADAPTERS

Packaging: 25 pcs. (foil bag)

Name	AFF-01	AFF-02	AFF-03	AFF-04
Details	female - male "quick" (angle)	female - male (angle)	male "quick" - male "quick"	female - male "quick"
				

Name	AFF-05	AFF-06	AFF-07	AFF-08
Details	female - female	male - male	male - male ("U" shape)	2 x female - female (wall mounting)
				

Name	AFB-01	AFR-01
Details	female - BNC male	female - RCA female
		

IEC ADAPTERS

Packaging: 10 pcs. (foil bag)

Name	ATF-01	ATF-02	ATF-03	ATF-04
Details	male - IEC female	male - IEC male	female - IEC female	female - IEC male
	