

**OUTDOOR LINE – SPLITTERS, DC COUPLERS AND POWER INSERTERS**

Outdoor line splitters and DC couplers are high performance passives to split signal and power in coaxial trunk and distribution lines of HFC networks.

**Features**

- High performance
- Intended for use in distribution networks
- Frequency range up to 1 GHz
- Well screened housings, meet easily Cenelec class A
- Umbrella housing design with weather resistant powder coating
- High performance power treatment
- Different mounting adaptors available

**Technical specifications**

**DC couplers and Splitters**

Frequency / MHz	DC-158A	DC-1512A	DC-1516A	SP-215A	SP-315A	SP-3U15A	
Insertion Loss dB maximum						Low	High
5...47	1,6	1,2	1,0	4,1	5,8	4,2	7,5
47...470	2,0	1,6	1,1	4,3	6,3	4,6	7,8
470...862	2,4	1,8	1,4	4,5	7,0	4,8	8,7
862...1000	3,2	2,5	2,4	5,1	8,0	5,1	9,5
Tap Loss dB (+/- 1.3 dB)							
5...1000	8,5	12	16				
Out-to-Tap (Out) Isolation dB minimum						H/L	L/L
5...47	17	21	21	20	22	23	23
47...470	28	23	30	27	22	27	27
470...862	23	20	23	24	20	25	20
862...1000	18	17	20	18	18	20	20
Return Loss - All Ports dB minimum							
5...47	17	17	17	17	18		18
47...470	19	19	20	20	18		18
470...862	18	18	18	18	17		17
862...1000	17	16	17	17	15		15

**General**

Connectors	5/8	
Impedance	75 Ω	
Enclosure classification	IP67	
Operating temperature range	-10...+55 °C	
Storage temperature range	-30...+70 °C	
EMC compatibility	EN 50083-2, class A	
HUM modulation	-60dB @ 12A 60VAC	1)
Maximum current	15A @ 90 VAC	
Dimensions	135 mm x 80 mm x 125 mm	
Weight	max 0,65kg	

**Notes**

1) 5 - 1000 MHz, according EN 50083-4

**Technical specifications**

**Line Power Inserters**

Frequency / MHz	LPI-20 6 kV	LPI-20 BB
Insertion Loss dB maximum		
5...47	1,1	0,8
47...470	1,1	0,8
470...1000	1,1	0,8
Out-to-Tap Isolation dB minimum		
5...47	69	65
47...470	55	50
470...862	45	40
862...1000	39	39
Tap Return Loss - All Ports dB minimum		
5...47	19	19
47...470	22	20
470...862	20	18
862...1000	18	18

**General**

Connectors	5/8	
Impedance	75 Ω	
Enclosure classification	IP67	
Operating temperature range	-10...+55 °C	
Storage temperature range	-30...+70 °C	
EMC compatibility	EN 50083-2, class A	
HUM modulation	-60dB @ 16A 60VAC	2)
Maximum current	15A @ 90 VAC	
Dimensions	135 mm x 80 mm x 125 mm	
Weight	max 0,55kg	

**Notes**

2) HUM modulation guaranteed only for LPI 20 6Kv, 5 - 1000 MHz, according EN 50083-4