

M&P

# UltraFlex 10

(H2010)

1.400"



**J A C K E T :**  
 UV-resistant black PVC  
 overall Ø 10,3mm ± 0,15  
 (0.405 inches ± 0.0059)

**R E A C T I V E B R A I D :**  
 71% SCREENING - 144 wires of copper  
 made with 24 spool machines (instead of 16). Thanks to 50%  
 more crossovers, grants exceptional Screening Attenuation  
 (SA) and reacts to twisting and bending like a spring

**F O I L : 100% SCREENING**  
 First screen made of copper  
 with an applied PE-layer: prevents  
 cracking due to short radius bends

**D I E L E C T R I C :**  
 High pressure physical injection  
 foamed polyethylene  
 T R I P L E L A Y E R  
 overall Ø 7,3 mm ± 0,05 (0.287 inch. ± 0.0019)

**I N N E R C O N D U C T O R :**  
 7x1.0mm copper wires - overall Ø 2,9 mm ± 0,15  
 (7x0.039 inches - overall Ø 0.114 inches ± 0.0059)

FREQUENCY	ATTENUATION (20°C / 68°F)	
	dB/100m	dB/100ft
1,8 MHz	0,8	0,2
3,5 MHz	1,0	0,3
7 MHz	1,2	0,3
10 MHz	1,3	0,4
14 MHz	1,5	0,4
21 MHz	1,8	0,5
28 MHz	2,0	0,6
50 MHz	2,7	0,8
100 MHz	3,9	1,1
144 MHz	4,7	1,4
200 MHz	5,7	1,7
400 MHz	8,3	2,5
430 MHz	8,6	2,6
800 MHz	12,1	3,7
1000 MHz	13,8	4,2
1296 MHz	16,4	5,0
2400 MHz	23,7	7,2
3000 MHz	27,3	8,3
4000 MHz	32,9	10,0
5000 MHz	38,9	11,8
6000 MHz	44,5	13,5
7000 MHz	50,2	15,3
8000 MHz	55,8	17,0

## ELECTRICAL DATA

Impedance @200Mhz: 50 Ohm ± 3

Minimum bending radius: { up to 15 bends: 80mm (3.15 in)  
 single bend (choke): 40mm (1.57 in)

Temperature: -40°C to +60°C (-40°F to +140°F)

Capacitance: 78 pF/m ± 2 (23.8 pF/ft ± 2)

Velocity ratio: 83%

Screening Efficiency (SA) 100-2000 MHz >105 dB

Screening Class: A++

Inner conductor resistance: 3,2 Ohm/Km (1.0 Ohm/1000ft)

Outer conductor resistance: 9,2 Ohm/Km (2.8 Ohm/1000ft)

Tension test (spark test): 8 kV

Net weight (100m/100ft): 13 Kg (8.7 lb)

Maximum peak power: 13.000 WATT

Connectors: UHF (PL), N, BNC, SMA, TNC, 7/16

## SRL

0,3-600 MHz >30 dB  
 600-1200 MHz >25 dB  
 1200-2000 MHz >20 dB

## POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	9927 W	430 MHz	803 W
3,5 MHz	7721 W	800 MHz	571 W
7 MHz	7164 W	1000 MHz	503 W
10 MHz	5345 W	1296 MHz	445 W
14 MHz	4370 W	2400 MHz	293 W
21 MHz	3657 W	3000 MHz	255 W
28 MHz	3247 W	4000 MHz	211 W
50 MHz	2518 W	5000 MHz	182 W
100 MHz	1768 W	6000 MHz	162 W
144 MHz	1466 W	7000 MHz	138 W
200 MHz	1215 W	8000 MHz	125 W
400 MHz	836 W		

OUR PRODUCTS ARE MANUFACTURED IN COMPLIANCE WITH:

CEI 46-1 (construction parameters); EN 50117 (screening efficiency); CEI EN 50289 (SA test methods); R118 (ISO7622-1);  
 IEC 60332-1-2 (cables with PVC and LSZH jacket); CPR305/11 (EN50575:2014 - DoP number: MP00102)