M&P UltraFlex 10 C OUTPOST /.400"

Ham Radio Pro Cables — M&P — MESSI & PAOLONI



JACKET:
UV-resistant green PVC
overall Ø 10,3mm ± 0,15
(0.405")

REACTIVE BRAID:
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

FOIL: 100% SCREENING
First screen made of copper with an applied PE-layer: prevents cracking due to short radius bends

DIELECTRIC:
High pressure physical injection foamed polyethylene
TRIPLE LAYER
overall Ø 7,3 mm ± 0,05 (0.287")

INNER CONDUCTOR:
7x1.0mm copper wires - overall Ø 2,9 mm ± 0,15
(7x0.039"- overall Ø 0.114")

ELECTRICAL DATA

Impedence @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 factor:	87%
Screening Efficiency (SA)	100-2000 MHz >105 dB
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 x 100m (100ft):	13 Kg (8.7 lb)
Maximum peak power:	13000 WATT

Structural Return Loss:	0,3-600 MHz	600-1200 MHz	1200-2000 MHz
	>30 dB	>25 dB	>20 dB

ATTENUATION (20°C /68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,7	0,2
3,5 MHz	0,9	0,3
7 MHz	1,0	0,3
10 MHz	1,2	0,4
14 MHz	1,4	0,4
21 MHz	1,7	0,5
28 MHz	1,9	0,6
50 MHz	2,6	0,8
100 MHz	3,8	1,1
144 MHz	4,6	1,4
200 MHz	5,5	1,7
400 MHz	8,2	2,5
430 MHz	8,5	2,6
800 MHz	11,8	3,6
1000 MHz	13,3	4,1
1296 MHz	15,3	4,7
2400 MHz	21,7	6,6
3000 MHz	24,5	7,5
4000 MHz	29,0	8,8
5000 MHz	33,0	10,0
5800 MHz	34,9	10,6
6000 MHz	36,8	11,1
7000 MHz	40,6	12,3
8000 MHz	44,1	13,4
9000 MHz	48,1	14,6
10000 MHz	52,0	15,8
12000 MHz	59,9	18,2

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	8171 W	430 MHz	679 W
3,5 MHz	6590 W	800 MHz	489 W
7 MHz	5071 W	1000 MHz	435 W
10 MHz	4483 W	1296 MHz	378 W
14 MHz	3875 W	2400 MHz	269 W
21 MHz	3243 W	3000 MHz	238 W
28 MHz	2837 W	4000 MHz	203 W
50 MHz	2103 W	5000 MHz	179 W
100 MHz	1474 W	6000 MHz	161 W
144 MHz	1226 W	7000 MHz	145 W
200 MHz	1010 W	8000 MHz	134 W
400 MHz	705 W	10000 MHz	116 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 (PVC & LSZH jacket); CPR305/11 - **EuroClass Eca** - EN50575:2014 - DoP number: MP00102

NCage: AS 503