M&P Extraflex BURY /.400"

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

CE Pb RoHS Compliant 2002/95/EC

JACKET:
UV shielded polyethylene for direct burial and outdoor use
overall Ø 10,3mm ± 0,15
(0.405 inches ± 0.0059)

REACTIVE BRAID:
85% SCREENING - 192 wires of copper clad aluminium 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

*To prevent braid oxidation, we apply a Petrol Jelly layer adding waterproofing protection.

Direct Burial

DIELECTRIC:
High pressure physical injection foamed polyethylene TRIPLE LAYER
overall Ø 7,3 mm ±0,05 (0.287 inch. ±0.0019)

INNER CONDUCTOR:
19x0,59mm copper wires - overall Ø 2,9 mm ±0,15
(19x0.023 inches - overall Ø 0.114 inches ±0.0059)

ATTENUATION (20°C /68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,8	0,2
3,5 MHz	1,0	0,3
7 MHz	1,1	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	5,6	1,7
400 MHz	8,3	2,5
430 MHz	8,6	2,6
800 MHz	11,9	3,6
1000 MHz	13,4	4,1
1296 MHz	15,4	4,7
2400 MHz	21,8	6,6
3000 MHz	24,6	7,5
4000 MHz	29,1	8,8
5000 MHz	33,1	10,0
6000 MHz	36,9	11,2
7000 MHz	40,7	12,4
8000 MHz	44,2	13,4
9000 MHz	47,5	14,4
10.000 MHz	50,7	15,4

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 ratio:	87%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Screening Class:	A
Inner conductor resistance:	3,6 Ohm/Km (1.1 Ohm/1000ft)
Outer conductor resistance:	12 Ohm/Km (3.7 Ohm/1000ft)
Tension test (spark test):	8 kV
Net weight (100m/100ft):	10.8 Kg (7.1 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	808 W
3,5 MHz	7721 W	800 MHz	581 W
7 MHz	5990 W	1000 MHz	516 W
10 MHz	5186 W	1296 MHz	449 W
14 MHz	4483 W	2400 MHz	319 W
21 MHz	3777 W	3000 MHz	282 W
28 MHz	3357 W	4000 MHz	239 W
50 MHz	2518 W	5000 MHz	210 W
100 MHz	1759 W	6000 MHz	188 W
144 MHz	1460 W	7000 MHz	171 W
200 MHz	1226 W	8000 MHz	157 W
400 MHz	837 W	10.000 MHz	137 W

OUR PRODUCTS ARE MANUFACTURED IN COMPLIANCE WITH:
CEI 46-1 (construction parameters); EN 50117 (screening efficiency); CEI EN 50289 (SA test methods); CPR305/11 (EN50575:2014 - DoP number: MP0124)