M&P Extraflex BURY 7

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

CE · Pb · RoHS Compliant 2002/95/EC

JACKET:
UV shielded polyethylene
for direct burial and outdoor use
overall Ø 7,3mm ± 0,15
(0.287 inches ± 0.0059)

REACTIVE BRAID:
83% 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 5 mm ± 0,05 (0.196 inches ± 0.0019)

INNER CONDUCTOR:
19x0,38mm copper wires - overall Ø 1,9 mm ± 0,15
(19x0.015 inches - overall Ø 0.075 inches ± 0.0059)

ATTENUATION (20°C /68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	1,1	0,3
3,5 MHz	1,3	0,4
7 MHz	1,7	0,5
10 MHz	1,9	0,6
14 MHz	2,2	0,6
21 MHz	2,6	0,8
28 MHz	3,0	0,9
50 MHz	4,0	1,2
100 MHz	5,8	1,7
144 MHz	6,9	2,1
200 MHz	8,2	2,5
400 MHz	11,8	3,6
430 MHz	12,3	3,7
800 MHz	17,1	5,2
1000 MHz	19,3	5,8
1296 MHz	22,3	6,8
2400 MHz	32,3	9,8
3000 MHz	36,2	11,0
4000 MHz	42,6	12,9
5000 MHz	49,3	15,0
6000 MHz	55,3	16,8
7000 MHz	61,6	18,7
8000 MHz	68,4	20,8

ELECTRICAL DATA

Impedence @200Mhz:	50 Ohm ± 3
Minimum bending radius:	up to 15 bends: 68mm (2.68 in) single bend (choke): 34mm (1.34 in)
Temperature:	-40°C to +60°C (-40°F to +140°F)
Capacitance:	75 pF/m ± 2 (22.9 pF/ft ± 2)
Velocity factor:	83%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Screening Class:	A++
Inner conductor resistance:	7,3 Ohm/Km (2.2 Ohm/1000ft)
Outer conductor resistance:	9,8 Ohm/Km (3.0 Ohm/1000ft)
Tension test (spark test):	4 kV
Net weight (100m/100ft):	6 Kg (4.4 lb)
Maximum peak power:	8.000 WATT
Connectors:	UHF (PL), N, BNC, SMA, TNC

RETURN LOSS

0,3-600 MHz	>28 dB
600-1200 MHz	>22 dB
1200-2000 MHz	>18 dB

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	4572 W	430 MHz	353 W
3,5 MHz	3393 W	800 MHz	254 W
7 MHz	2714 W	1000 MHz	225 W
10 MHz	2286 W	1296 MHz	195 W
14 MHz	1974 W	2400 MHz	134 W
21 MHz	1670 W	3000 MHz	120 W
28 MHz	1448 W	4000 MHz	102 W
50 MHz	1086 W	5000 MHz	88 W
100 MHz	749 W	6000 MHz	79 W
144 MHz	629 W	7000 MHz	71 W
200 MHz	530 W	8000 MHz	63 W
400 MHz	368 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)