

# M&P Extraflex BURY 7



**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

The official cable



**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)<br>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)