

M&P Extraflex BURY 13



J A C K E T :
UV shielded **polyethylene**
for direct burial and outdoor use
overall Ø 12,7mm ± 0,15
(0.500 inches)

REACTIVE BRAID :

82% SCREENING - 240 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



ATTENUATION (20°C/68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,5	0,1
3,5 MHz	0,6	0,2
7 MHz	0,8	0,2
10 MHz	1,0	0,3
14 MHz	1,1	0,3
21 MHz	1,3	0,4
28 MHz	1,5	0,4
50 MHz	2,0	0,6
100 MHz	2,8	0,8
144 MHz	3,6	1,1
200 MHz	4,2	1,3
400 MHz	6,1	1,8
430 MHz	6,4	1,9
800 MHz	9,0	2,7
1000 MHz	10,1	3,0
1296 MHz	11,7	3,5
2400 MHz	16,6	5,0
3000 MHz	18,9	5,7
4000 MHz	22,4	6,8
5000 MHz	25,6	7,8
6000 MHz	28,7	8,7
7000 MHz	31,7	9,6
8000 MHz	34,5	10,5
9000 MHz	37,5	11,4
10.000 MHz	40,5	12,3
12.000 MHz	46,0	14,0

DIELECTRIC :

High pressure physical injection
foamed polyethylene
T R I P L E L A Y E R
overall Ø 9,9 mm (0.39 in)

INNER CONDUCTOR:

37x0,56mm **copper** wires | overall Ø 3,8 mm
(37x0.022 inches - overall Ø 0.149 inches)

ELECTRICAL DATA

Impedence @200Mhz:	50 Ohm ± 3
Minimum bending radius:	{ up to 15 bends: 140mm single bend (choke): 100mm
Temperature:	-40°C to +60°C (-40°F to +140°F)
Capacitance:	75 pF/m ± 2 (22.9 pF/ft ± 2)
Velocity factor:	86%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Screening Class:	A++
Inner conductor resistance:	2 Ohm/Km
Outer conductor resistance:	9,5 Ohm/Km
Tension test (spark test):	8 kV
Net weight (100m):	16,5 Kg
Maximum peak power:	20.000 WATT
Connectors:	UHF (PL), N, 7/16

RETURN LOSS

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	14681 W	430 MHz	1435 W
3,5 MHz	12650 W	800 MHz	1022 W
7 MHz	9880 W	1000 MHz	907 W
10 MHz	8321 W	1296 MHz	786 W
14 MHz	7130 W	2400 MHz	552 W
21 MHz	5732 W	3000 MHz	487 W
28 MHz	4962 W	4000 MHz	410 W
50 MHz	3873 W	5000 MHz	358 W
100 MHz	2795 W	6000 MHz	320 W
144 MHz	2396 W	8000 MHz	266 W
200 MHz	2150 W	10.000 MHz	227 W
400 MHz	1486 W	12.000 MHz	200 W

*DUE TO THE DIMENSIONAL PARAMETERS OF THIS CABLE
THE FREQUENCY OF 2500 MHz +/- 15 MHz IS NOT USABLE.

OUR PRODUCTS ARE MANUFACTURED IN COMPLIANCE WITH:

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

WHY CHOOSE THIS CABLE

- The best M&P cable: a must-have for the most ambitious installations.
- The only coaxial cable that has 37 wires on the central conductor.
- Excellent performances with the lowest possible signal loss, even at the highest frequencies and over long distances.
- Despite its half-inch size, it is designed to withstand tight bendings and movement of the rotor antennas.
- Equal attenuations of stiffer and bulkier competitors' cables of 15mm (.600").
- Also, this coax results lighter, more flexible, more manageable and less expensive.
- Totally buriable and waterproof version of HYPERFLEX 13/.500"

FREQUENCY SUGGESTIONS*

HF (from 3MHz to 30Mhz)

example at 14 MHz

EXCELLENT up to 150m of cable length

GOOD up to 250m of cable length

example 28 MHz

EXCELLENT up to 100m of cable length

GOOD up to 150m of cable length

VHF (from 30MHz to 300Mhz)

example at 50 Mhz

EXCELLENT up to 75m of cable length

GOOD up to 100m of cable length

example at 144 Mhz

EXCELLENT up to 50m of cable length

GOOD up to 75m of cable length

UHF (from 300MHz to 3000Mhz)

example at 430 MHz

EXCELLENT up to 25m of cable length

GOOD up to 45m of cable length

example at 1296 MHz

EXCELLENT up to 20m of cable length

GOOD up to 30m of cable length

example at 2400 MHz

EXCELLENT up to 12m of cable length

GOOD up to 20m of cable length

*data valuable for Power Application (trasmission)

**you can find Watt / MAX POWER in the datasheet above.

GENERIC COAXIAL CABLE APPLICATIONS*

- Aircraft communications
 - Amateur Radio
 - Antenna
 - Antenna Analyzer
 - Beacons Base Station
 - Broadcast Radios
 - CB Radio (Citizen Band)
 - CB Radio Scanner
 - Dummy Load
 - Land Mobile Communications
 - Maritime Mobile Communications
 - Military Communications
 - Microwave Relay System
 - Moon Bouncing Transmission EME
 - Mobile Transmission Applications (Car, Van, Caravans, Trucks, etc.)
 - Motorhome
 - Network Analyzer
 - Portable Handheld Radio (Walkie Talkie - PMR antenna extension)
 - Radar
 - Radio Astronomy and Telescope
 - Radio Receivers
 - Router connections
 - Satellite Radio
 - Scanner
 - Switch connections
 - SWR Meter connections
 - Transceiver
 - Tuner connections
 - Weather Radio Antenna Extension
- *See "Frequency Suggestions" for a correct correlation

PRE-ASSEMBLED COAX JUMPERS

YOU'VE NO TIME FOR ASSEMBLING THE CONNECTORS YOURSELF?
GRAB OUR FACTORY MADE COAX JUMPERS **"LAB TESTED"** ONE BY ONE!
LAB CERTIFICATE ENCLOSED IN EACH PACKAGING.



USEFUL ACCESSORIES



SPECIAL COAX SCISSORS



ADHESIVE REUSABLE
VELCRO



CABLE PULLING LUBRICANT



M&P T-SHIRT



UNWINDERS FOR COILS AND BOBBINS



CONNECTORS for 12,7mm (.500") Coaxial Cables



EVOlution

"UHF" Male Solder / Solderless

Watch the Assembly

Video:

<https://youtu.be/vIX7sNiYKug>

Code:

CO.UHF.13M-SL EVO



"N" Male Solder / Solderless

Watch the Assembly

Video:

<https://youtu.be/JacfJYrZVjM>

Code:

CO.N.13M-SL



"N" Female Solder / Solderless

Watch the Assembly

Video:

<https://youtu.be/eGoROD85eec>

Code:

C.N.UF13F-SL



7/16

Watch the Assembly

Video:

<https://youtu.be/CK12Z7Agj4U>

Code:

C.7-16.13M-S

HEAT SUPPRESSOR



Pairing to our "N" or "UHF" connectors, the Heat Suppressor represents an extension of the operational life of your valuable cables and a greater homogeneity of their performance in hot environments.

The benefits will also be more evident for those who use high power linear amplifiers for prolonged periods during contests. Cooling and stabilizing the cable, could be the ace in your sleeve!

For other connectors and adapters, visit www.messi.it or contact us at web@messi.it