Ham Radio Pro Cables

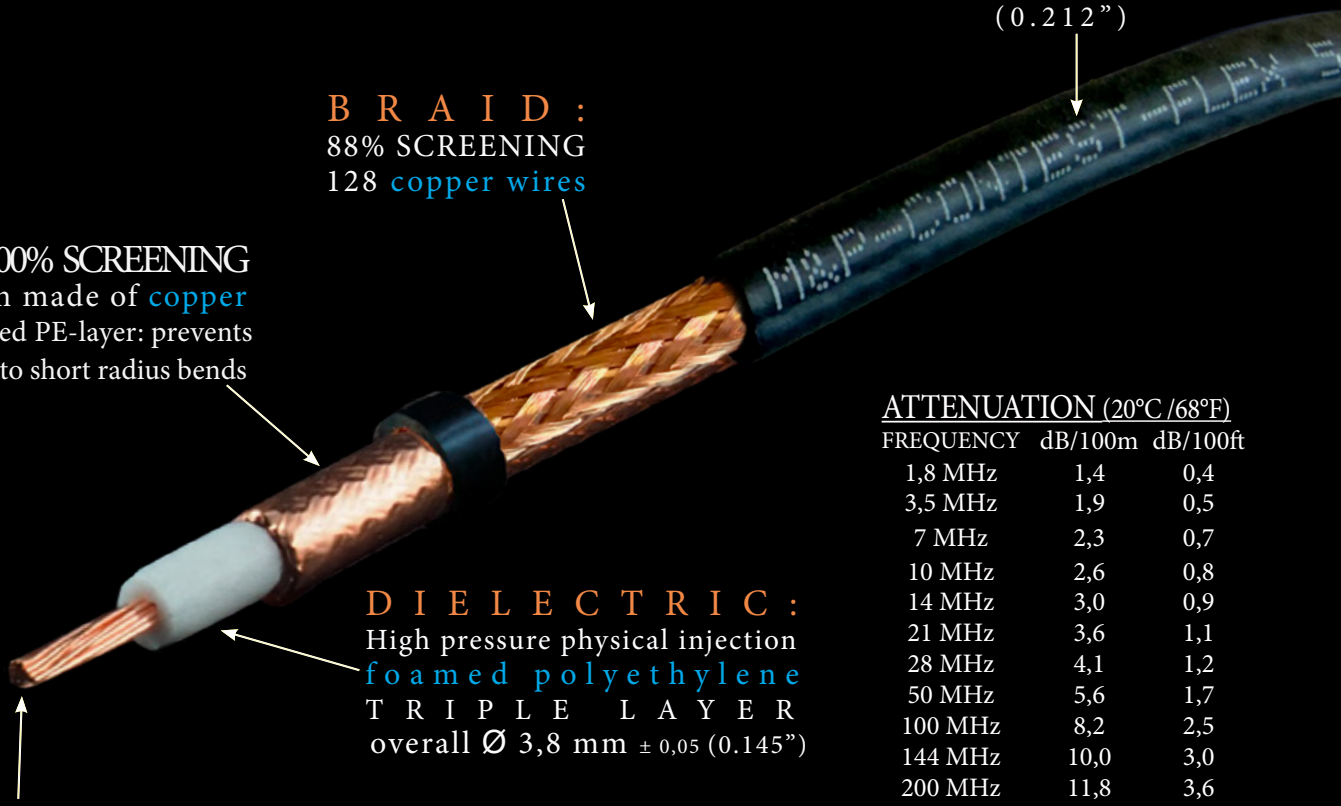
M&P

CONTESTFLEX 5

/.212"

MESSI & PAOLONI

JACKET:
UV-resistant PVC
overall Ø 5,4mm ± 0,15
(0.212")



BRAID:
88% SCREENING
128 copper wires

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 3,8 mm ± 0,05 (0.145")

INNER CONDUCTOR:
19x0,28mm copper wires - overall Ø 1,4 mm ± 0,15

ATTENUATION (20°C /68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	1,4	0,4
3,5 MHz	1,9	0,5
7 MHz	2,3	0,7
10 MHz	2,6	0,8
14 MHz	3,0	0,9
21 MHz	3,6	1,1
28 MHz	4,1	1,2
50 MHz	5,6	1,7
100 MHz	8,2	2,5
144 MHz	10,0	3,0
200 MHz	11,8	3,6
430 MHz	17,9	5,4
800 MHz	25,2	7,6
1000 MHz	28,3	8,6
1296 MHz	32,5	9,9
2400 MHz	46,5	14,1
3000 MHz	53.3	16,2
4000 MHz	64.8	19,7
5000 MHz	75.7	23,0
6000 MHz	87.0	26,5

ELECTRICAL DATA

Impedence @200Mhz:	50 Ohm ± 3
Minimum bending radius:	up to 15 bends: 50mm (1.97 in) single bend (choke): 25mm (0.98 in)
Temperature:	-45°C to +70°C (-49°F to +158°F)
Capacitance:	74 pF/m ± 2 (22.6 pF/ft ± 2)
Velocity factor:	87%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Inner conductor resistance:	14 Ohm/Km (4.3 Ohm/1000ft)
Outer conductor resistance:	11 Ohm/Km (3.4 Ohm/1000ft)
Tension test (spark test):	4 kV
Net weight x 100m (100ft):	4,4 Kg (3 lb)
Maximum peak power:	2900 WATT

Structural Return Loss:	0,3-600 MHz	600-1200 MHz	1200-2000 MHz
	>28 dB	>25 dB	>22 dB

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.	FREQUENCY	MAX P.
1,8 MHz	1274 W	400 MHz	115 W
3,5 MHz	987 W	430 MHz	111 W
7 MHz	809 W	800 MHz	80 W
10 MHz	717 W	1000 MHz	71 W
14 MHz	620 W	1296 MHz	62 W
21 MHz	518 W	2400 MHz	44 W
28 MHz	453 W	3000 MHz	39 W
50 MHz	338 W	4000 MHz	33 W
100 MHz	235 W	5000 MHz	29 W
144 MHz	195 W	6000 MHz	26 W
200 MHz	165 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 (cables with PVC and LSZH jacket); CPR305/11 - **EuroClass Eca** - EN50575:2014