M&P

CONTEST FLEX 10 /.400"

Ham Radio Pro Cables

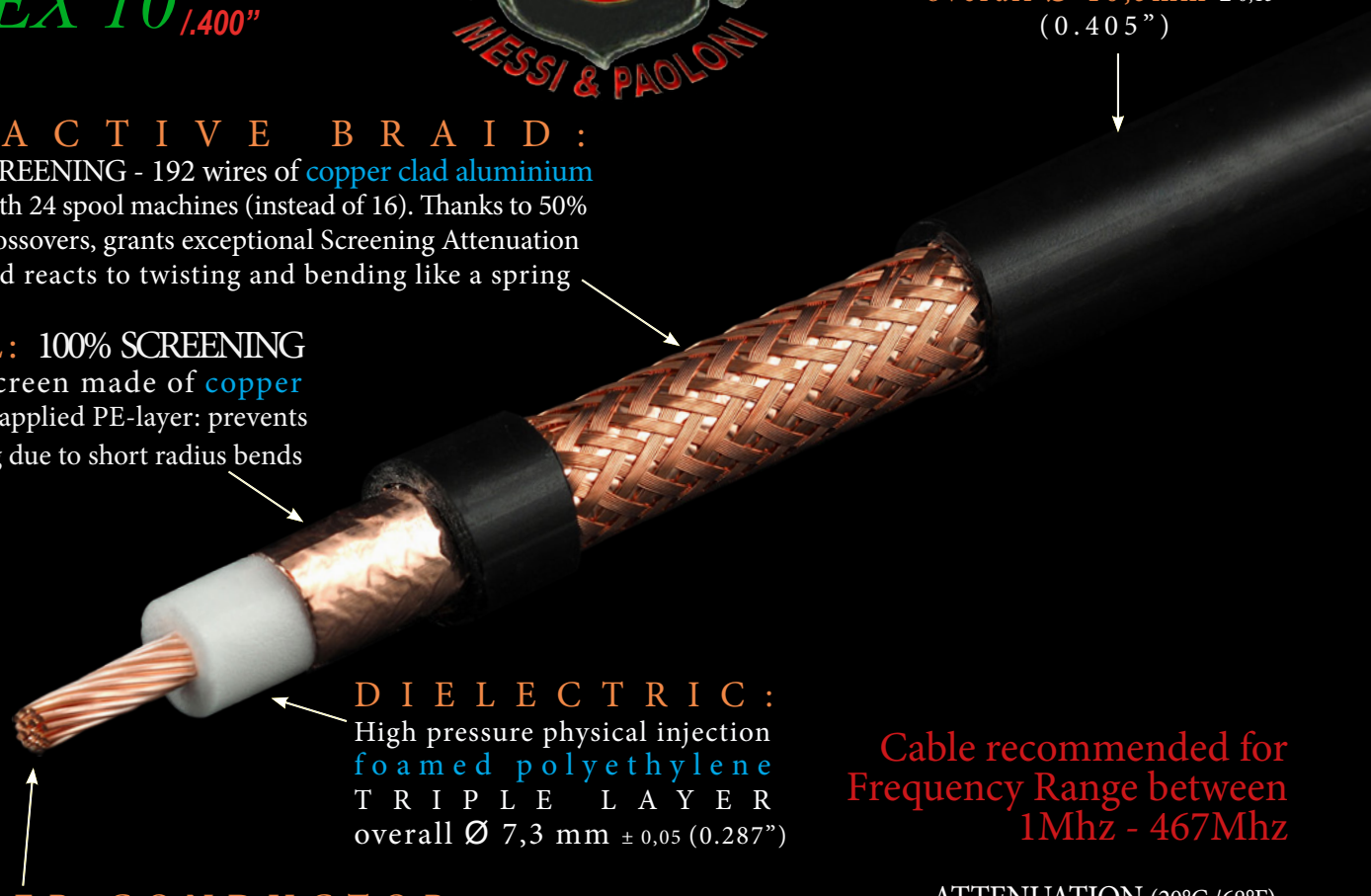
MESSI & PAOLONI

CE Pb RoHS Compliant 2002/95/EC

JACKET:
UV-resistant black PVC
overall Ø 10,3mm ± 0,15
(0.405")

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



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

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

Cable recommended for Frequency Range between 1Mhz - 467Mhz

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 factor:	87%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Inner conductor resistance:	3,6 Ohm/Km (1.0 Ohm/1000ft)
Outer conductor resistance:	12 Ohm/Km (2.8 Ohm/1000ft)
Tension test (spark test):	8 kV
Net weight x 100m (100ft):	11,6 Kg (7,8 lb)
Maximum peak power:	13000 WATT

Structural Return Loss:	0,3-600 MHz	600-1200 MHz	1200-2000 MHz
	>30 dB	>25 dB	>20 dB

ATTENUATION (20°C /68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,5	0,2
3,5 MHz	0,8	0,2
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	2,1	0,6
50 MHz	3,0	0,9
144 MHz	5,4	1,6
430 MHz	10,5	3,2
462 MHz	11,0	3,3
467 MHz	11,1	3,3

POWER HANDLING (40°C/104°F)

FREQUENCY	MAX P.
1,8 MHz	6576 W
3,5 MHz	5000 W
7 MHz	3749 W
10 MHz	3229 W
14 MHz	2781 W
21 MHz	2297 W
28 MHz	1986 W
50 MHz	1454 W
144 MHz	811 W
430 MHz	426 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 - DoP number: MP00103