

M&P CONTEST FLEX 10 1.400"



J A C K E T :
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:	10000 WATT
Structural Return Loss:	0,3-600 MHz >30 dB 600-1200 MHz >25 dB 1200-2000 MHz >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	8300 W
3,5 MHz	6840 W
7 MHz	5760 W
10 MHz	5140 W
14 MHz	4500 W
21 MHz	3770 W
28 MHz	3210 W
50 MHz	2330 W
144 MHz	1270 W
430 MHz	660 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