



M&P

Broad-pro 50C
LSZH /.400"

JACKET :
UV-resistant black
LSZH Ø 10,3mm ± 0,15
(0.400 inches ± 0.0059)
limits smoke and no halogen
when exposed to flames.

REACTIVE BRAID :
71% 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

DIELECTRIC :
High pressure physical injection
foamed polyethylene
TRIPLE LAYER
overall Ø 7,3 mm ± 0,05 (0.287 inch. ± 0.0019)

INNER CONDUCTOR :
made of 99,9% pure bare copper
overall Ø 2,76 mm ± 0,05 (Ø 0.108 inches ± 0.0019)

ATTENUATION (20°C/68°F)

FREQUENCY	dB/100m	dB/100ft
1,8 MHz	0,6	0,2
3,5 MHz	0,8	0,2
7 MHz	1,0	0,3
10 MHz	1,2	0,3
14 MHz	1,3	0,4
21 MHz	1,7	0,5
28 MHz	1,9	0,5
50 MHz	2,5	0,7
100 MHz	3,6	1,1
144 MHz	4,4	1,3
200 MHz	5,2	1,5
400 MHz	7,5	2,2
430 MHz	7,8	2,3
800 MHz	10,9	3,3
1000 MHz	12,3	3,7
1296 MHz	14,1	4,3
2400 MHz	19,8	6,0
3000 MHz	22,5	6,8
4000 MHz	26,8	8,1
5000 MHz	30,5	9,3
6000 MHz	34,1	10,3
7000 MHz	37,6	11,4
8000 MHz	41,0	12,5
10.000 MHz	46,8	14,2
12.000 MHz	52,2	15,1

ELECTRICAL DATA

Impedance @200Mhz:	50 Ohm ± 3
Minimum bending radius:	{ up to 15 bends: 103mm (4.05 in) single bend (choke): 65mm (2.56 in)
Temperature:	-40°C to +60°C (-40°F to +140°F)
Capacitance:	74 pF/m ± 2 (22.6 pF/ft ± 2)
Velocity ratio:	85%
Screening Efficiency (SA)	100-2000 MHz >105 dB
Screening Class:	A++
Inner conductor resistance:	3 Ohm/Km (0.9 Ohm/1000ft)
Outer conductor resistance:	9,2 Ohm/Km (2.8 Ohm/1000ft)
Tension test (spark test):	8 kV
Net weight (100m/100ft):	14,2Kg (9.5 lb)
Maximum peak power:	14.500 WATT
Connectors:	UHF (PL), N, BNC, SMA, TNC, 7/16

SRL

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	10831 W	430 MHz	947 W
3,5 MHz	8471 W	800 MHz	679 W
7 MHz	6667 W	1000 MHz	600 W
10 MHz	6000 W	1296 MHz	522 W
14 MHz	5180 W	2400 MHz	364 W
21 MHz	4114 W	3000 MHz	314 W
28 MHz	3731 W	4000 MHz	261 W
50 MHz	2769 W	5000 MHz	225 W
100 MHz	2045 W	6000 MHz	199 W
144 MHz	1682 W	7000 MHz	178 W
200 MHz	1412 W	8000 MHz	161 W
400 MHz	986 W	10.000 MHz	136 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 (EN50575:2014 - DoP number: MP0087)