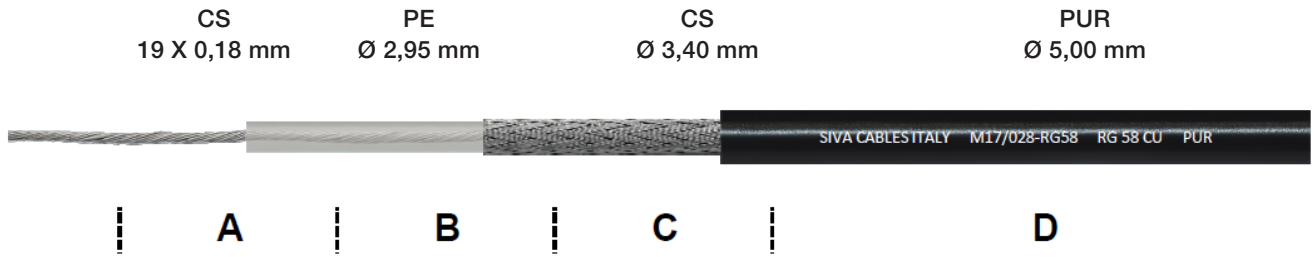


50 OHM RF COAXIAL CABLE

Class CPR



MECHANICAL DATA

A	INNER CONDUCTOR	Tinned copper	19 x 0,18 mm
B	DIELECTRIC	Low density polyethylene	Ø 2,95 ± 0,10 mm
C	BRAID	Tinned copper Coverage	h. 27 mm 100%
D	BRAID	Tinned copper Coverage	144 x 0,10 mm 94%
E	SHEAT	Polyurethane Colour Printing	Ø 5,00 ± 0,10 mm Black - RAL 9004

MINIMUM BENDING RADIUS (mm)

Single	Ø External X 5
Repeated	Ø External X 10
Temperature range	-50°C to +90°C

CABLE WEIGHT (Kg/Km)

Copper	15,1
Plastic	20,5
Total	35,6

ELECTRICAL PROPERTIES AT 20°

Impedance @ 200 MHz	Capacitance	Velocity ratio	Resistance		Tension
50 ± 3 Ohm	100pF/m	66%	Inner conduct: 36,5 Ohm/Km	Braid: 15 Ohm/km	Sheath spark testing: 4,0 kV

ATTENUATIONS dB/100 m.

MAX. POWER RATING W

		dB		W				dB		W	
5	MHz	2,9	849	450	MHz	33,0	89	1800	MHz	74,7	44
10	MHz	4,3	600	600	MHz	38,9	77	2000	MHz	79,8	43
30	MHz	7,9	346	800	MHz	45,8	67	2500	MHz	96,6	38
50	MHz	10,2	268	900	MHz	48,9	63	3000	MHz	111,0	35
150	MHz	18,2	155	1000	MHz	52,4	60	5200	MHz	175,3	26
220	MHz	22,2	128	1500	MHz	68,0	49	5800	MHz	191,7	25

STRUCTURAL RETURN LOSS dB

SCREENING EFFECTIVENESS dB

30 ÷ 450	MHz	<27
450 ÷ 1000	MHz	<25
1000 ÷ 2000	MHz	<20

2000 ÷ 3000	MHz	<18
3000 ÷ 4000	MHz	<15
4000 ÷ 5800	MHz	<11

100 ÷ 900	MHz	<57
900 ÷ 2000	MHz	
2000 ÷ 3000	MHz	

* Standards: RoHs compliant 3 ** Customize lengths and connectors on request. The producer reserves himself to make modification on the item without any notice.