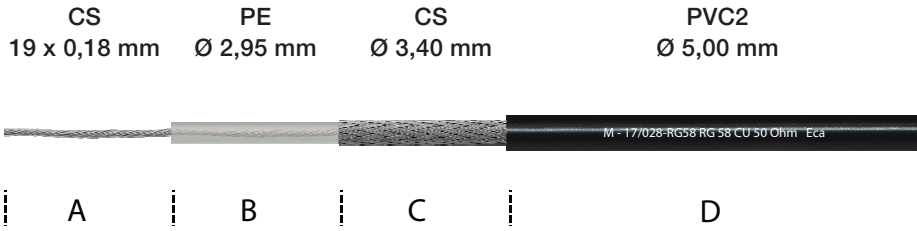


50 OHM RF COXIAL CABLE

Class CPR **E_{ca}**



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	144 x 0,10 mm 94%
D	SHEAT	Non-contaminating polyvinyl-chloride Colour	Ø 5,00 ± 0,10 mm Black - RAL 9004
Printing - M17/28-RG058 MIL-C-17G RG 58 CU 50 OHM Made in Italy CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca			

MINIMUM BENDING RADIUS (mm)

Single	Ø External X 5
Repeated	Ø External X 10
Temperature range	-30°C to +70°C

CABLE WEIGHT (Kg/Km)

Copper	15,1
Plastic	22,2
Total	37,3

ELECTRICAL PROPERTIES AT 20°

Impedance	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.

	dB	W
5 MHz	2,9	849
10 MHz	4,3	600
30 MHz	7,9	346
50 MHz	10,2	268
150 MHz	18,2	155
220 MHz	22,2	128

MAX. POWER RATING W

	dB	W
450 MHz	33,0	89
600 MHz	38,9	77
800 MHz	45,8	67
900 MHz	48,9	63
1000 MHz	52,4	60
1500 MHz	67,0	49

	dB	W
1800 MHz	74,7	44
2000 MHz	79,8	43
2500 MHz	96,6	38
3000 MHz	111,0	35
5200 MHz	175,3	26
5800 MHz	191,7	25

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	<27	2000 ÷ 3000	MHz	<18
450 ÷ 1000	MHz	<25	3000 ÷ 4000	MHz	<15
1000 ÷ 2000	MHz	<20	4000 ÷ 5800	MHz	<11

SCREENING EFFECTIVENESS dB

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

The producer reserves himself to make modification on the item without any notice.
***Customized length and connectors on request.