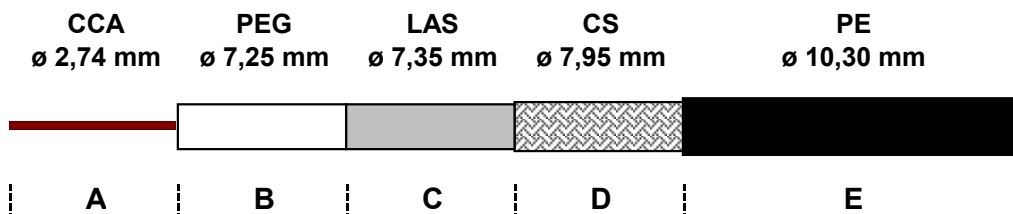


RF 400 TT - PE

DOUBLE SCREENED 50 OHM RF COAXIAL CABLE

Class CPR **F_{ca}**



MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER CLAD ALUMINIUM	ø 2,74 mm
B	DIELECTRIC	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	ø 7,25 ± 0,18 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 27 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	192 x 0,15 mm
		- COVERAGE	90%
E	SHEATH	CARBON BLACK POLYETHYLENE	ø 10,30 ± 0,18 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	RF 400 TT 50 OHM LOW LOSS CABLE	2,74 / 7,25 / 10,30

MINIMUM BENDING RADIUS (mm)

- SINGLE	ø EXTERNAL X 5
- REPEATED	ø EXTERNAL X 10
TEMPERATURE RANGE	-40 °C / +75 °C

CABLE WEIGHT (Kg/Km)

- COPPER	56,0
- PLASTIC	47,6
- TOTAL	106,9

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	RESISTANCE	
CAPACITANCE	80 pF/m	- INNER CONDUCT.	4,7 Ohm/Km
VELOCITY RATIO	84%	- BRAID	5,0 Ohm/Km
		TENSION	
		- SHEATH	8,5 kV
		- SPARK TESTING	

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	0,9	8200
10	MHz	1,2	5800
50	MHz	2,5	2590
100	MHz	3,6	1830
200	MHz	5,3	1290
400	MHz	7,9	910

MAX. POWER RATING W

		dB	W
500	MHz	9,0	820
600	MHz	10,0	745
800	MHz	11,7	645
1000	MHz	13,2	580
1350	MHz	15,8	499
1500	MHz	16,6	474

		dB	W
1750	MHz	18,7	435
2150	MHz	20,6	396
2250	MHz	21,2	385
2500	MHz	22,6	363
2750	MHz	23,8	350
3000	MHz	25,1	330

STRUCTURAL RETURN LOSS dB

30 ÷ 300	MHz	>29	1000 ÷ 2000	MHz	>19
300 ÷ 600	MHz	>26	2000 ÷ 3000	MHz	>18
600 ÷ 1000	MHz	>24 ÷	MHz	-

SCREENING EFFECTIVENESS dB

100 ÷ 900	MHz	>95
900 ÷ 2000	MHz	>85
2000 ÷ 3000	MHz	>75

The producer reserves himself to make modification on the item without any notice.