RANGEFUL

MADE IN ITALY

HF 240 PVC

HIGH PERFORMANCE BROADBAND LOW LOSS 50 OHM COAXIAL
COMMUNICATION CABLE DESIGNED FOR USE IN WIRELESS APPLICATIONS

Class CPR E_{ca}

CU	PEG	LAS	CS	PVC2
ø 1,40 mm	ø 3,80 mm	ø 3,90 mm	ø 4,30 mm	ø 6,10 mm

A	B	C	D	E

MECHANICAL DATA

A	**INNER CONDUCTOR**	PLAIN COPPER	**ø 1,40 mm**
B	**DIELECTRIC**	GAS INJECTED SKIN-FOAM-SKIN POLYETHYLENE	**ø 3,80 ± 0,10 mm**
C	**SHIELD**	ALL + PET + ALL ADHESIVE TAPE	**h. 15 mm**
		- COVERAGE	**100%**
D	**BRAID**	TINNED COPPER	**128 x 0,10 mm**
		- COVERAGE	**77%**
E	**SHEATH**	NON-CONTAMINATING POLYVINYL-CHLORIDE	**ø 6,10 ± 0,10 mm**
	- COLOUR	**BLACK - RAL 9004**	
	- PRINTING	## METER ## RANGEFUL HF240 50 OHM CU UV PVC LOW LOSS CABLE CE WEEK/YEAR EN 50575:2014 + A1:2016 Eca MADE IN ITALY	

MINIMUM BENDING RADIUS (mm)

- **SINGLE** ø EXTERNAL X 5
- **REPEATED** ø EXTERNAL X 10

TEMPERATURE RANGE -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)

- **COPPER** 23,3
- **PLASTIC** 26,0
- **TOTAL** 51,1

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE @ 200 MHz **50 ± 1,5 Ohm**

CAPACITANCE 80 pF/m

VELOCITY RATIO 84%

RESISTANCE

- **INNER CONDUCT.** 11,5 Ohm/Km
- **BRAID** 16,2 Ohm/Km

TENSION

- **SHEATH SPARK TESTING** 4,5 kV

ATTENUATIONS dB/100 m.

		dB	W
5	MHz	1,8	3536
10	MHz	2,5	2500
30	MHz	4,1	1443
50	MHz	5,2	1118
150	MHz	8,9	645
220	MHz	10,9	533

MAX. POWER RATING W

		dB	W
450	MHz	16,2	373
600	MHz	18,7	323
800	MHz	21,9	280
900	MHz	22,9	264
1000	MHz	24,5	250
1500	MHz	30,8	204

		dB	W
1800	MHz	34,1	186
2000	MHz	36,7	177
2500	MHz	40,9	158
3000	MHz	45,5	144
5200	MHz	63,4	110
5800	MHz	67,6	104

STRUCTURAL RETURN LOSS dB

30 ÷ 450	MHz	>32	2000 ÷ 3000	MHz	>23
450 ÷ 1000	MHz	>29	3000 ÷ 4000	MHz	>23
1000 ÷ 2000	MHz	>26	4000 ÷ 5800	MHz	>14

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.

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