

# CO 125 R PE

## CONSTRUCTION PROPERTIES

### material data

1° - Inner conductor: red copper

CU

### dimension

∅ 1,28 mm

4° - Polyethylene+carbon black

PEC

3° - Insulation: foam antiaging Polyethylene

PEE

4° - Proofing in pigmentated Polyethylene with black carbon

PEC

∅ 5,70 mm

5° - Jelly filling

J 1

6° - Tape: Copper / polyester

CU/PET

100 %

7° - Braid: red copper wires

CU

∅ 6,50 mm

8° - Jelly filling

J 2

9° - Sheath: Polyethylene colours: BLACK

PE

∅ 8,00 mm



## ELECTRICAL SPECIFICATIONS

Screening Attenuation:	dB	>85
Braid coverage	%	50
DC Resistance: Inner Conductor	Ohm/Km	13,5
Outer Conductor	Ohm/Km	13
Nominal Impedance	Ohm	75 +/- 2
Capacitance approx	pF/m	52 +/- 2
Velocity ratio	%	85
Maximum voltage (spark test)	kV	7

Return Loss		SRL
Frequency		
20 - 470 MHz	dB	> 30
470 - 1500 MHz	dB	> 27
1500 - 2500 MHz	dB	> 24

Attenuation		dB/100 m	
Frequency			
5 MHz	dB	1,0	
50 MHz	dB	3,3	
200 MHz	dB	7,0	
300 MHz	dB	8,8	
470 MHz	dB	11,0	
860 MHz	dB	15,0	
1000 MHz	dB	16,2	
1750 MHz	dB	21,8	
2150 MHz	dB	24,8	
2500 MHz	dB	27,0	
3000 MHz	dB	30,5	

## MECHANICAL PROPERTIES

Minimum bending radius	mm	75
Total weight	Kg / Km	58
Copper weight	Kg / Km	26

TECHNICAL DATAS mod.TC15

latest issue date

01/09/2008

## CONFORMITY

EN50117-2-5  
EUROPEAN NORM RoHS

sign


