

# CO 8 3.7 PE

## CONSTRUCTION PROPERTIES

### material data

		dimension
1° - Inner conductor: red copper	CU	∅ 0,80 mm
2° - Proofing in pigmentated Polyethylene with black carbon	PEC	
3° - Insulation: foam antiaging Polyethylene	PEE	∅ 3,50 mm
4° - Proofing in pigmentated Polyethylene with black carbon	PEC	
5 ° - Jelly filling	J 1	
6° - Tape: Aluminium/polyester/aluminium	AL/PET/AL	100 %
7° - Braid: tinned copper wires	CU - Sn	∅ 4,00 mm
8° - Jelly filling	J 2	100 %
9° - Sheath: Polyethylene colours BLACK	PE	∅ 5,00 mm



## ELECTRICAL SPECIFICATIONS

Screening Attenuation:	dB	>85
Braid coverage	%	53
DC Resistance Inner Conductor	Ohm/Km	34
Outer Conductor	Ohm/Km	25
Nominal Impedance	Ohm	75 +/- 3
Capacitance approx	pF/m	52 +/- 2
Velocity ratio	%	85
Maximum voltage (spark test)	kV	2,5

Return Loss	SRL
Frequency	
20 - 470 MHz	dB > 30
470 - 1500 MHz	dB > 28
1500 - 2500 MHz	dB > 22

Attenuation		dB/100 m	
Frequency			
5 MHz	dB	1,5	
50 MHz	dB	5,2	
200 MHz	dB	11,0	
300 MHz	dB	14,0	
470 MHz	dB	17,4	
860 MHz	dB	23,4	
1000 MHz	dB	25,5	
1750 MHz	dB	34,0	
2150 MHz	dB	38,0	
2500 MHz	dB	40,0	
3000 MHz	dB	45,0	

## MECHANICAL PROPERTIES

Minimum bending radius	mm	20/50
Total weight	Kg / Km	26
Copper weight	Kg / Km	11

## CONFORMITY

EN50117-2-5  
EUROPEAN NORM RoHS

TECHNICAL DATAS mod.TC15

latest issue date

01/09/2008

sign


