

# CO 100 AF

## CONSTRUCTION PROPERTIES

### material data

		dimension
1°- Inner conductor: red copper	CU	∅ 1,00 mm
2°- Proofing in pigmentated Polyethylene with black carbon	PEC	
3°- Insulation: foam antiaging Polyethylene	PEE	∅ 3,00 mm
4°- Proofing in pigmentated Polyethylene with black carbon	PEC	
5°- Tape: Aluminium/polyester/aluminium	ALP	100 %
6°- Braid: tinned copper wires	CuSn	∅ 3,60 mm
7°- Film: Polyester	PET	100 %
8°- Sheath: Polyvinylchloride FLAME RETARDANT colours .WHITE /BLACK	PVC-AF	∅ 5,00 mm



## ELECTRICAL SPECIFICATIONS

Screening Attenuation:	dB	>90
Braid coverage	%	75
DC Resistance: Conduttore interno	Ohm/Km	22
Conduttore esterno	Ohm/Km	12
Nominal Impedance	Ohm	50 +/- 3
Capacitance approx	pF/m	76 +/- 3
Velocity ratio	%	80
Maximum voltage (spark test)	kV	2,5

Attenuation		dB/100 m	
Frequency			
5 MHz	dB	2,0	
50 MHz	dB	6,9	
100 MHz	dB	9,0	
200 MHz	dB	14,0	
400 MHz	dB	20,0	
1000 MHz	dB	32,0	
2000 MHz	dB	47,0	

Return Loss		SRL	
Frequency			
20 - 470 MHz	dB	> 23	
470 - 1500 MHz	dB	> 17	
1500 - 2150 MHz	dB	> 15	

Max Power		
Frequency		
100 MHz	W	180
400 MHz	W	54
1000 MHz	W	31

## MECHANICAL PROPERTIES

Minimum bending radius	mm	30
Total weight	Kg / Km	35
Copper weight	Kg / Km	20

TECHNICAL DATAS mod.TC15

latest issue date

01/04/2008

## CONFORMITY

EN50117 CEI20-35 - CEI20-22  
EUROPEAN NORM RoHS

sign


