

# CO 150 AF

## CONSTRUCTION PROPERTIES

### material data

		dimension
1°- Inner conductor: red copper	CU	∅ 1,65 mm
2°- Proofing in pigmentated Polyethylene with black carbon	PEC	
3°- Insulation: foam antiaging Polyethylene	PEE	∅ 4,80 mm
4°- Proofing in pigmentated Polyethylene with black carbon	PEC	
5°- Tape: Aluminium/polyester/aluminium	ALP	100 %
6°- Braid: tinned copper wires	CuSn	∅ 5,40 mm
7°- Film: Polyester	PET	100 %
8°- Sheath: Polyvinylchloride FLAME RETARDANT colours .WHITE	PVC AF	∅ 6,90 mm



## ELECTRICAL SPECIFICATIONS

Screening Attenuation:	dB	>90
Braid coverage	%	75
DC Resistance: Conduttore interno	Ohm/Km	8,5
Conduttore esterno	Ohm/Km	9
Nominal Impedance	Ohm	50 +/- 3
Capacitance approx	pF/m	78 +/- 2
Velocity ratio	%	80
Maximum voltage (spark test)	kV	3

Attenuation		dB/100 m	
Frequency			
5 MHz	dB	1,4	
50 MHz	dB	4,3	
100 MHz	dB	5,6	
200 MHz	dB	9,5	
400 MHz	dB	12,0	
1000 MHz	dB	19,7	
2000 MHz	dB	29,0	

Return Loss		SRL	
Frequency			
20 - 470 MHz	dB	> 25	
470 - 1500 MHz	dB	> 21	
1500 - 2000 MHz	dB	> 18	

Max Power		
Frequency		
100 MHz	W	430
400 MHz	W	200
1000 MHz	W	105

## MECHANICAL PROPERTIES

Minimum bending radius	mm	50
Total weight	Kg / Km	66
Copper weight	Kg / Km	36

TECHNICAL DATAS mod.TC15

latest issue date

01/04/2008

## CONFORMITY

EN50117 CEI20-35 - CEI20-22  
EUROPEAN NORM RoHS

sign


