

CO 12 90 PE

CONSTRUCTION PROPERTIES

material data		dimension
1° - Inner conductor: red copper	CU	∅ 1,13 mm
2° - Proofing in pigmentated Polyethylene with black carbon	PEC	
3° - Insulation: foam antiaging Polyethylene	PEE	∅ 4,90 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	∅ 5,60 mm
8° - Jelly filling	J 2	100 %
9° - Sheath: Polyethylene colours: BLACK	PE	∅ 6,70 mm



ELECTRICAL SPECIFICATIONS

Screening Attenuation:	dB	>120
Braid coverage	%	90
DC Resistance: Inner Conductor	Ohm/Km	17
Outer Conductor	Ohm/Km	9
Nominal Impedance	Ohm	75 +/- 3
Capacitance approx	pF/m	52 +/- 2
Velocity ratio	%	85
Maximum voltage (spark test)	kV	3

Return Loss		SRL
Frequency		
20 - 470 MHz	dB	> 30
470 - 1500 MHz	dB	> 28
1500 - 2500 MHz	dB	> 24

Attenuation		dB/100 m	
Frequency			
5 MHz	dB	1,0	
50 MHz	dB	3,6	
200 MHz	dB	8,0	
300 MHz	dB	9,5	
470 MHz	dB	12,4	
860 MHz	dB	16,8	
1000 MHz	dB	18,0	
1750 MHz	dB	24,9	
2150 MHz	dB	27,5	
2500 MHz	dB	29,5	
3000 MHz	dB	33,0	

MECHANICAL PROPERTIES

Minimum bending radius	mm	20/50
Total weight	Kg / Km	54
Copper weight	Kg / Km	28

CONFORMITY

EN50117-2-5
EUROPEAN NORM RoHS

TECHNICAL DATAS mod.TC15

latest issue date

01/09/2008

sign


