

CO 8 3.7

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°- Tape: Aluminium/polyester/aluminium	AL/PET/AL	100 %
6°- Braid: tinned copper wires	CU - Sn	∅ 4,00 mm
7°- Film: Polyester	PET	100 %
8°- Sheath: Polyvinylchloride antimigrating colours WHITE / WH coloured line - AVORY / AV coloured line	PVC	∅ 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
EUROPEAN NORM RoHS

TECHNICAL DATAS mod.TC15

latest issue date

01/04/2008

sign


