

**CONSTRUCTION**
**GI 16 All trs (PVC / PE)**
**DIMENSIONS**

Inner conductor	(Bare copper wire)	CU		$\Phi = 1,13 \pm 0,02$	mm	
Insulation	(Physically foamed PE)	Pee/PH		$\Phi = 4,80 \pm 0,1$	mm	
Outer Conductor	First shield	Aluminium Non-bonded foil		Al/Pet/Al	Width: 18 mm	
	Second shield	Aluminium wire braid 16X4 / $\phi$ 0,12 / 60 mm		43 %		
	Third shield	Aluminium Non-bonded foil		Al/Pet	Width: 20 mm (Pet layer in contact with the Jacket)	
Jacket	white PVC or (Black PE UV_protection) (RoHS Compliant) Pression mode Extrusion	PVC / PE		$\Phi = 6,8 \pm 0,1$	mm	

**Electrical Performances**

Characteristic impedance	75	$\pm 3$	$\Omega$	
Capacitance	52,0	$\pm 1$	pF/mt	
Velocity ratio	85%			
Inner DC resistance		$\leq 18,0$	$\Omega$ /km	
Outer DC resistance		$\leq 44,0$	$\Omega$ /km	
<b>Nominal Attenuation (20 °C)</b> (Max attenuation can be 105% of the nominal)	MHz	dB/100mt	MHz	dB/100mt
	5	1,6	1350	21,7
	50	4,1	1750	25,2
	200	8,0	2150	28,1
	470	12,5	2400	29,9
	800	16,8	2700	32,1
	1000	18,6	3000	33,7
<b>Return Loss (SRL)</b>	[5 470]	MHz	> 26	dB
	[470 1000]	MHz	> 23	dB
	[1000 3000]	MHz	> 18	dB
<b>Transfer Impedance</b>	[5 30]	MHz	< 15	m $\Omega$ /mt
<b>Screening attenuation</b>	[30 300]	MHz	> 75	dB
	[300 1000]	MHz	> 85	dB
	[1000 2500]	MHz	> 75	dB

**Mechanical Performance**

Min. setting radius (single /multiple)	35 / 70	mm
Total weight PVC type	$\approx 49$	Kg/Km
Total weight	$\approx 40$	Kg/Km
Copper weight	9,0	Kg/km
Std.:	EN 50117-2-4	

Rev	Date OF ISSUE	Update
00	05/06/08	