


CONSTRUCTION
GI 40 /70
DIMENSIONS

Inner conductor	CCS		$\Phi =$	0,41	\pm	0,02	mm
Dielectric	Pee/PH		$\Phi =$	1,9	\pm	0,1	mm
Alluminium/polyester/Alluminium foil	Al/Pet/Al						
Tinned copper braid wire ($\Phi = 0,1$ mm)	All						
Pitch	60 mm						
Coverage	73%						
Polyester tape	Pet						
Pvc outer sheat (RoHS Compliant)	PVC		$\Phi =$	5,0	\pm	0,15	mm

Electrical Performance

Characteristic impedance	75	\pm	3	Ω
Capacitance	55,0	\pm	3	pF/mt
Velocity ratio	82%			
Inner DC resistance		\leq	320	Ω /km
Outer DC resistance		\leq	30	Ω /km
Nominal Attenuation (20 °C)	MHz	dB/100mt	MHz	dB/100mt
	5	3,9	1350	59,6
	50	11,4	1750	66,5
	200	21,4	2150	72,0
	470	33,5	2400	78,8
	800	44,5	2700	82,4
	1000	50,6		
Return Loss (SRL)	[5	470]	MHz	> 28 dB
	[470	1000]	MHz	> 26 dB
	[1000	3000]	MHz	> 18 dB
Transfer Impedance	[5	30]	MHz	< 5 m Ω /mt
Screening attenuation	[30	1000]	MHz	> 90 dB
	[1000	2000]	MHz	> 90 dB
	[2000	3000]	MHz	> 80 dB

Mechanical Performance

Min. setting radius (single /mulltiple)	15 / 30	mm
Std.:	EN 50117-2-4	

Rev	Date	Emission/Update
00	11/03/2010	Emission