


Category: COAXIAL CABLE 75 OHM

Product: GI 19-S / EC 19 DG

Parametri costruttivi			
Inner conductor	Cu	1.00+/-0.02mm	
Dielectric	PEE	4.30+/-0.05mm	
Outer conductor	Tape	All/Pet/All	
	Braid	CuSn	
	Coverage	41%	
	Tape		
	Braid		
	Coverage		
Polyester Tape	Pet		
Messenger			
Sheath	PVC	6.0+/-0.2mm	

Terms glossary	
All	aluminium wire
Cu	copper
CuSn	tinned copper
PE	solid polyethylene
PEE	physically foamed dielectric
Pet	polyester tape
PVC	polyvinylchloride compound (RoHS Compliant)
LSZH	low smoke zero halogen compound
All/Pet	aluminium - polyester Tape
All/Pet/All	aluminium - polyester - aluminium Tape
All/Pet/Copco	aluminium - polyester bonding Tape
Cu/Pet	copper - polyester Tape
FeCu	copper clad steel
PVC (UV Protection)	PVC (RoHS) UV protection Compliant
Fe - Zn	Stranded zinc plated steel wires

Electrical features			
Characteristic impedance	75+/-3	Ohm	
Capacitance	52+/-2	pf/mt	
Velocity ratio	84	%	
Inner conductor resistance	<=22.7	Ohm/Km	
Outer conductor resistance	<=26.0	Ohm/Km	
Attenuation 20°			
	Frequency [MHz]	dB / 100 mt	
	5	1.7	
	50	4.8	
	200	9.6	
	470	14.6	
	800	19.0	
	1000	21.2	
	1350	25.3	
	1750	28.0	
	2150	31.9	
	2400	33.4	
	2700	36.0	
	3000	39.0	

Structural return loss			
	Frequency [MHz]		
	5 - 30	>=28	dB
	30 - 470	>=28	dB
	470 - 1000	>=26	dB
	1000 - 2000	>=23	dB
	2000 - 3000	>=23	dB

Transfer impedance			
	Frequency [MHz]		
	[5 - 30]	<= 15	Ohm/mt

Screening efficiency			
	Frequency [MHz]		
	[30 - 1000]	>=75	dB
	[1000 - 2000]	>=85	dB
	[2000 - 3000]	>=75	dB

Mechanics features		
Minimum bending radius	25/50	mm
Copper weight	11.6	mm
Total weight	39.11	mm

Description
Our quality. All our cables are manufactured using the gas-injected method (compound made of polyethylene and additive molecular nitrogen, inert gas symbol N2 from the Latin Nitrogenum). This process allows to obtain high excellent levels of expansion and homogeneity of the product, which turn into elevated performances in terms of electrical characteristics. The realisation of the dielectric, moreover, makes use of a triple co extrusion in which are realized, in addition to the foam, two further layers, named respectively internal and outer skin, which contribute to raise the qualitative standard of the product guaranteeing: a major resistance/impermeability to the humidity, mechanical strength, attenuations stable during the time. Reference Std.: EN 50117-2-4. All products are available with coverings: PVC (Indoor) --- PE (Outdoor / Underground) --- PVC _UV Protection (Indoor / Outdoor) --- LSZH (Indoor)