

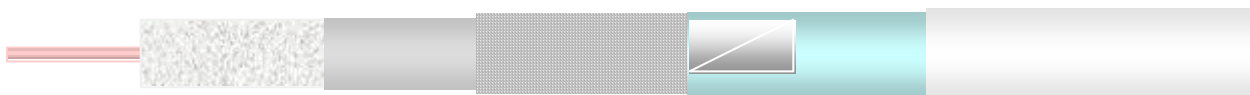
Description

Triple shielded coaxial cable for Broadband Distribution Networks - 75 Ohm
 Triple shielded cable (Screening Class A++)



Data Sheet

TS61L



1,00 (Cu)	4,80 (PEG)	4,97 (Al/Pet/Al/Sur)	5,37 (CuSn)	5,49 (Al/Pet)	6,60 (PVC)
--------------	---------------	-------------------------	----------------	------------------	---------------

Constructive data

Inner conductor of plain copper	(Cu)	1,00 ± 0,02	mm
Dielectric of physical foam polyethylene	(PEG)	4,80 ± 0,10	mm
Aluminium/Polyester/Aluminium/Surlyne tape longitudinally overlapped and bonded to the dielectric	(Al/Pet/Al/Sur)		
Braid of tinned copper wires	(CuSn)		
Braid optical coverage (IEC 96-1)		45	%
Outer Aluminium/Polyester tape longitudinally overlapped	(Al/Pet)	23 x 30/19	n/µm
Diameter under Sheath		5,37	mm
Outer sheath of Polyvinylchloride - white (PVQ1BI) - lead-free (Q1B)	(PVC)	6,60 ± 0,10	mm

Printed each meter by black ink-jet :

CAVEL TS 61 L MADE IN ITALY 75 Ohm EN50117-2-4 CEI-UNEL 36762 C-4 (U0 =400V) Class A++ ss/aa m
 (ss=week, aa=year) (m=meter marking)

Electrical data

Characteristic impedance (@ 200 MHz)	75 ± 3	Ohm
Capacitance (@1kHz)	54 ± 2	pF/m
Velocity factor	82	%
Outer conductor resistance	14	Ohm/km
Loop resistance	36,50	Ohm/km
Insulation voltage of the sheath (spark test)	3	KV
Maximum current (Ieff)	6,00	A

Structural return loss (SRL)	
5 - 470 MHz	>30 dB
470 - 1000 MHz	>28 dB
1000 - 2000 MHz	>26 dB
2000 - 3000 MHz	>22 dB

Screening attenuation (SA)		Transfer impedance
30 - 1000 MHz	>105 dB	5 - 30 MHz 30,90 mOhm/km
1000 - 2000 MHz	>95 dB	
2000 - 3000 MHz	>85 dB	

ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
 Tel +39-382.815150 Fax +39-0382.814212

Date

11/10/2011

Responsible

Giuseppe Guastella

Description

Triple shielded coaxial cable for Broadband Distribution Networks - 75 Ohm
Triple shielded cable (Screening Class A++)



Data Sheet

TS61L

Attenuation (at 20°C):

Frequency [MHz]	Attenuation [dB/100m]	Frequency [MHz]	Attenuation [dB/100m]
5	2,00	862	18,87
10	2,29	1000	20,44
30	3,47	1350	24,03
50	4,60	1750	27,76
200	8,60	2150	31,09
300	10,78	2400	32,37
470	13,68	3000	37,31
800	18,17		

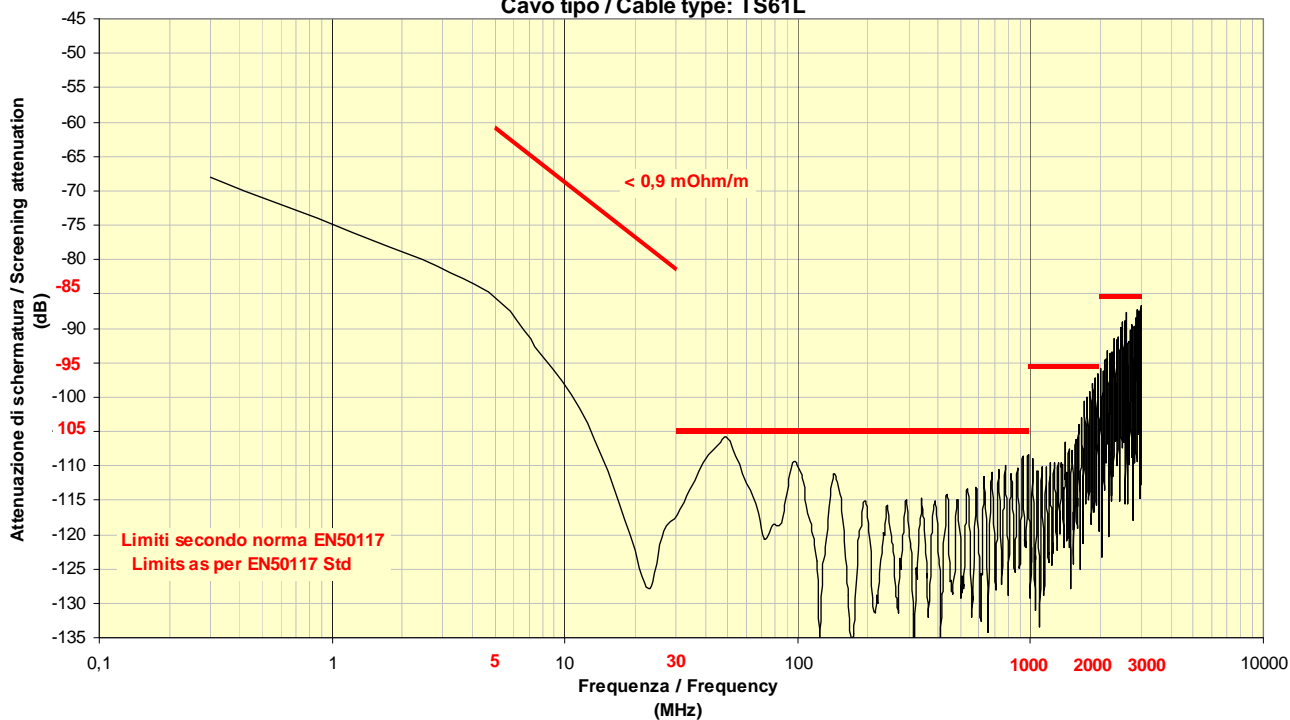
Mechanical data

Weight of copper conductors	12,60 kg/km
Total weight of cable	39,40 kg/km
Minimum bending radius (single/repeated bending)	35/70 mm
Max. cable pulling strength	120 N

Attenuazione di schermatura / Screening Attenuation

Cavo classe A++ / A++ Class cable

Cavo tipo / Cable type: TS61L



ITALIANA CONDUTTORI s.r.l.

Viale Zanotti 90 I - 27027 Gropello Cairoli
Tel +39-382.815150 Fax +39-0382.814212

Date

11/10/2011

Responsible

Giuseppe Guastella