



PRODUCT DATA SHEET		PN . 3803110	
COAXIAL RG6/60 3G 18AWG/1		Ver A	Date of Issue: 23.07.2014



1. Application

- 75 ohm drop cable/data transmission and RF for HDTV/ CATV installation in public housing ,and buildings.
- Indoor and outdoor (non burial) application.
- Operating frequency up to 3000MHz

2. Special features

- Conductor Solid bare copper clad steel wire
- Foam Polyethylene dielectric
- 1st shielding bonded aluminum foil
- 2nd shielding braided aluminum wire, min. 60% coverage
- Outer jacket PVC,

3. Cable Construction

3.1 Conductor	Solid bare copper-clad steel wire, 18AWG (Ø1.02mm, approx)
3.2 Dielectric Material	Foam Polyethylene
3.3 Dielectric OD	4.57mm, approx..
3.4 Shielding	Bonded AL foil, 100% coverage
3.5 Braiding	AL wire braiding, min 60% coverage
3.6 OuterSheath	PVC , Black RAL 9005, UV resistant
3.7 Overall cable diameter	6.85mm (approx.)

4. Technical /Environmental Data

4.1 Peak Voltage Rating	300V
4.2 Characteristics Impedance	75 ±3Ω
4.3 Capacitance	53.1pF/m (nominal)
4.4 Velocity of propagation	82% (nominal)
4.5 Attenuation Loss	See Table 1
4.6 Return Loss, 5-3000 MHz	≤-18 dB
4.7 Screen effectiveness	≤-75dB
4.8 Max. tensile strength	560N
4.9 Jacket spark test	1000V _{AC}
4.10 Min. Bending Radius	10xOD
4.11 Temperature Rating	-30°C to +80°C
4.12 Flame Retardant	Acc. to IEC 60332-1-2
4.13 ROHS	2011/65/EU

Table 1 : Attenuation Loss , dB/ 100m @ 20°C

Frequency, MHz	5	55	211	500	750	862	1000
Attn Loss	2.20	5.24	9.42	14.7	18.4	19.6	21.5
Frequency, MHz	1450	1800	2250	3000			
Attn Loss	25.80	28.7	32.8	39.1			

Elaborated by:
GK / SPD
Approved by:
CC/SPD

Document: PDS-
Supersedes version: Dated:

Page 1 of 2



PRODUCT DATA SHEET		PN . 3803110	
COAXIAL RG6/60 3G 18AWG/1		Ver A	Date of Issue: 23.07.2014

5. Dimensional Data

Part No.	Conductor size	Approx., Dielectric OD,	Approx. cable overall diameter	Max. conductor. resistance DC @ 20°C
	AWG/1	mm	mm	Ohm/km
3803110	18	4.57	6.85	93.0



Elaborated by: GK / SPD	Document: PDS-	Page 2 of 2
Approved by: CC/SPD	Supersedes version: Dated:	

This document is a property of Lapp Logistics Pte Ltd, passing on of this document as well as commercialization and distribution of information on it's contents are not permitted without prior approval. We reserved the rights to amend this document without prior notice given.

Nr.:INQ 2042/1829