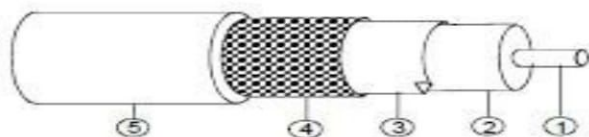


## TECHNICAL DATA SHEET

**Ref: RG58 STANDARD (CCS braid)**

**50 Ω COAXIAL CABLE-FOR VIDEO SIGNAL TRANSMISSION**



### CABLE DESCRIPTION:

<b>CONSTRUCTION</b>	
<b>1)INNER CONDUCTOR</b>	Copper Clad Aluminium :19×0.18( + / - 0.01)mm
<b>2)DIELECTRIC</b>	Solid PE
Diameter(mm)	3.0( + / - 0.15mm)
<b>OUTER CONDUCTOR</b>	
<b>3)1st shield</b>	AL Pet Foil
Thickness	9/12μm
Min.overlap	2mm
<b>4)2nd shield</b>	Copper covered steel
Formation	16×4×0.12( + / - 0.008)mm,lay=28.8( + / - 3)mm
Coverage	63%
<b>5)SHEATH</b>	PVC(semi pressure extrusion)
	The sheath has to be removable manually on 2 cm without too much difficulty.
	≤20 Newton
Colour	Black
Diameter(mm)	5.0mm( + / - 0.15mm)
<b>MARKING</b>	To be defined

<b>ELECTRICAL DATA</b>	
Characteristic impedance at 200 MHz	50±2 OHMS
Capacitance	100±5.6 Pf/m
Insulation resistance at 20°	>5000 MOHMS.km
Dielectric withstand at 50 Hz,20mA,1metre, Between conductor and shield,1Min.	>5000V
Inner Conductor Resistance	<60.5 Ohms/km
Outer Conductor Resistance	<29.0 Ohms/km
Velocity of propagation	66%
Maximum Attenuation at 20°	
30MHz	8.50dB/100m
50MHz	11.30dB/100m
100MHz	17.40dB/100m
200MHz	23.40dB/100m
400MHz	34.10dB/100m
600MHz	42.70dB/100m
800MHz	48.90dB/100m
1000MHz	54.00dB/100m
Return loss	
30-300MHz	>22 dB
300-1000MHz	>20 dB
<b>MECHANICAL DATA</b>	
Temperature range	- 10°C →+80°C
Min.Bending radius	
Fixed laying	30mm
Mobile laying	60mm