



RoHS  
Compliant

## Product Description:

Application	: For communication and signal control systems
Reference Standard	: Customer's sample spec.and the general standard
Multi-construction	: 1

## Cable Construction:

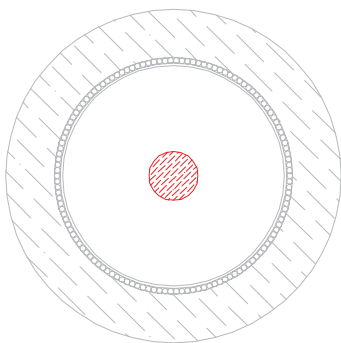
Conductor	: Bare Copper
Construction	: 1 ± 0.02
Standard Dia.(mm)	: 1.02
Insulation	: Foam PE
Thickness (mm)	: 1.79
Insulation Dia.(±0.15mm)	: 4.6
Insulation Colour	: Natural
Al-Pet-Al Shield	: ≥115%
Braiding	: Tinned Copper
Construction	: T0.12 × 24 × 8
Braiding Coverage	: 95%
Jacket	: CM PVC
Thickness (mm)	: 0.85
Dia.(±0.2mm)	: 6.95
Jacket Colour	: Black
Marking	: RG6 Video Coax 18 AWG CMR 75C PVC 300 VRMS [Metr]
Packaging	: 500m/Wooden Drum

## Electrical Characteristics:

Max.Conductor DC Resistance at 20°C (Ω/Km)	: 20.1
Max.Conductor Outer Resistance at 20°C (Ω × Km)	: 9.2
Min.Insulation DC Resistance at 20°C (MΩ × Km)	: >500
Rated Temperature (°C)	: 70
Rated Voltage(V)	: 300
Capacitance (pF/m)	: 53.2 ± 5
Velocity of Propagation (%)	: 82
Impedance (Ω)	: 75 ± 3
Attenuation at 20°C (-dB/100m) (±10%)	
1MHz	0.787
3.58MHz	1.444
5MHz	1.706
6MHz	1.87

7MHz	: 2.001
10MHz	: 2.33
12MHz	: 2.559
25MHz	: 3.543
67.5MHz	: 5.414
71.5MHz	: 5.545
88.5MHz	: 6.103
100MHz	: 6.398
135MHz	: 7.349
143MHz	: 7.546
180MHz	: 8.432
270MHz	: 10.401
360MHz	: 12.107
540MHz	: 15.093
720MHz	: 17.652
750MHz	: 18.046
1,000MHz	: 21.064
1,500MHz	: 26.215
2,000MHz	: 30.743
2,250MHz	: 32.843
3,000MHz	: 38.65
Min.Return loss ( - dB/100m)	
5-----1,600MHz	: >23
1,600-----3,000MHz	: >21

## Design:



## Part Number Table

Description	Part Number
Coaxial Cable, RG6/U, Black, 100m	PP000846

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