



## Product Description:

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

## Cable Construction:

<b>2 coaxial cable spec</b>	
<b>Conductor 1</b>	Bare Copper
Construction	0.25 ±0.005
Standard Dia. (mm)	1/0.25
<b>Insulation 1</b>	Foam PE
Thickness (mm)	0.47
Insulation Dia. (mm)	1.2 ±0.1
Insulation Colour:	Natural
<b>Screening 1</b>	Bare Copper spiral
Construction (mm)	0.1 ±0.003 × 32
<b>Inner jacket 1</b>	PVC
Thickness (mm)	0.4
Dia.(±0.15mm)	2.2
Jacket Colour	Black; Grey
<b>4 Core Audio cable spec</b>	
<b>Conductor 2</b>	Bare Copper
Construction	0.25 ±0.005
Standard Dia. (mm)	1/0.25
<b>Insulation 2</b>	Solid PE
Thickness (mm)	0.37
Insulation Dia. (mm)	1 ±0.1 × 4C
Insulation Colour:	Orange; White; Transparent; Grey
<b>Drain Wire 2</b>	Bare Copper
Construction (mm)	0.1 ±0.005mm × 18

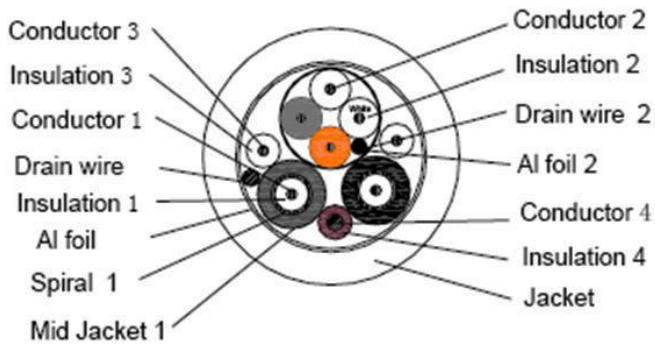
## Cable Construction:

<b>Al-Pet Shield 2</b>	Coverage $\geq 115\%$
<b>Data Bus coaxial cable spec</b>	
<b>Conductor 3</b>	
Construction	1 bare copper; 1 tinned copper
Dia. (mm)	0.25
<b>Insulation 3</b>	
Thickness (mm)	Solid PE
Insulation Dia. ( $\pm 0.1\text{mm}$ )	0.37
Insulation Colour:	1 x 2
	Nature
<b>Hook Up spec</b>	
<b>Conductor 4</b>	
Construction	Bare Copper
Standard Dia. (mm)	$0.1 \pm 0.005 \times 18$
<b>Insulation 4</b>	
Thickness (mm)	PVC
Insulation Dia. (mm)	0.28
Insulation Colour	$1.05 \pm 0.05$
	Brown

## Electrical Characteristics:

Max. DC Resistance at 20°C ( $\Omega/\text{Km}$ )		
Video coaxial	Conductor	352
	Screen	72
Audio component	360( $\Omega/\text{Km}$ )	
Data Bus component	570( $\Omega/\text{Km}$ )	
Hook Up Wire	145( $\Omega/\text{Km}$ )	
Video coaxial		
Insulation DC Resistance at 20°C( $\text{M}\Omega \cdot \text{KM}$ )	>500	
Rated Temperature(°C)	-20 to +70	
Rated Voltage(V)	30	
Capacitance(pF/m)	62 $\pm 5\text{pF/m}$	
Velocity of propagation	73% Min.	
Characteristic impedance	75 $\pm 5\Omega$	
Attenuation at 20°C (dB/100m) ( $\pm 10\%$ )		
1MHz	3.4	
2MHz	4.77	
5MHz	7.44	
10MHz	10.36	
20MHz	14.32	

## Design:



## Part Number Table:

Description	Part Number
Multicore, 9 Core, 25m, 30V, Black	PP000653

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.