

Cable Multicore

pro-POWER

RoHS
Compliant



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:

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

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Cable Construction:

Al-Pet Shield 2	Coverage $\geq 115\%$
Data Bus coaxial cable spec	
Conductor 3	
Construction	1 bare copper; 1 tinned copper
Dia. (mm)	0.25
Insulation 3	
Thickness (mm)	Solid PE
Insulation Dia. ($\pm 0.1\text{mm}$)	0.37
Insulation Colour:	1 x 2
	Nature
Hook Up spec	
Conductor 4	
Construction	Bare Copper
Standard Dia. (mm)	$0.1 \pm 0.005 \times 18$
	0.49
Insulation 4	
Thickness (mm)	PVC
Insulation Dia. (mm)	0.28
Insulation Colour	1.05 ± 0.05
	Brown

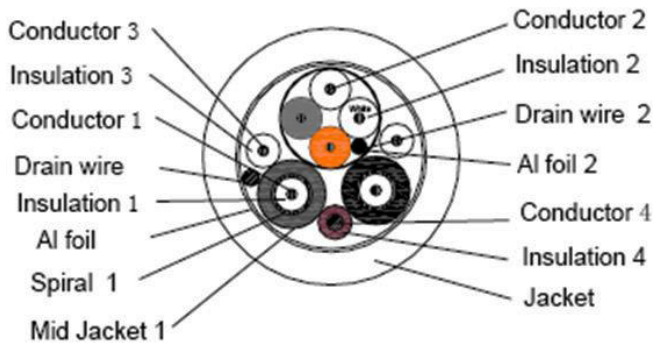
Electrical Characteristics:

Max. DC Resistance at 20°C (Ω/Km)		
Video coaxial	Conductor	352
	Screen	72
Audio component	360(Ω/Km)	
Data Bus component	570(Ω/Km)	
Hook Up Wire	145(Ω/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	

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www.farnell.com
www.newark.com
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Design:



Part Number Table:

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

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