



Product Description:

Part Number	3248	3249	3250
Application	For communication and signal control systems		
Reference Standard	Customer's sample spec. and the general standard		
Multi-construction	1		

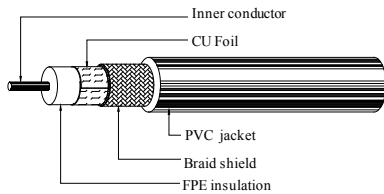
Cable Construction:

Conductor	Bare Copper		
Construction	1 ±0.02	1.25 ±0.02	1.67±0.03
Stranded Dia. (mm)	1	1.25	1.67
Insulation Layer	Gas injection Foam PE		
Thickness (mm)	1.8	2.2	2.8
Insulation Dia.	(±0.15mm)	(±0.2mm)	(±0.25mm)
	4.6	5.65	7.35
CU-Foil Shield(over lapping,%)	>115%	≥115%	≥115%
Thickness (μ)	40		
Braiding	Bare Copper	Bare Copper braiding	
Construction (mm)	0.15 ±0.008 × 16 × 3	0.14 ±0.008 × 16 × 4	0.14 ±0.008 × 16 × 5
Braid coverage(%)	44%	45%	40%
Jacket Layer	PVC		
Thickness (mm)	0.7	0.75	1
Dia.	(±0.2mm)	(+/-0.25mm)	(±0.3mm)
	6.65	7.8	10.15
Insulation Colour	Natural Color		
Outer Jacket Colour	According to customer	Black	Black
Marking	RG Wire & Cable Limited CTF100 75Ω PVC [MM] {WkYr}	RG Wire & Cable Limited CTF125 75Ω PVC [MM] {WkYr}	RG Wire & Cable Limited CTF167 75Ω PVC [MM] {WkYr}
Packaging	100m/Cardboard Reel	100m/Wooden Drum	100m/Wooden Drum

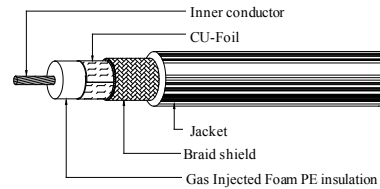
Electrical Characteristics:

Part Number	3248	3249	3250
Max. Conductor DC Resistance at 20°C (Ω/Km)	<24.1	15.4	<8.65
Min. Insulation DC Resistance at 20°C (MΩ*Km)	>500		
Rated Temperature(°C)	80		
Rated Voltage(V)	30		
Capacitance(pF/m)	52.5+/-3	<60	<58
Velocity ratio (%)	80%	81%	81%
Impedance(Ω)	75+/-3		
Attenuation at 20°C (- dB/100m)(±10%)			
5MHz	1.6		
50MHz	4.6	3.5	2.7
100MHz	6.5	4.9	3.9
200MHz	9.5		
230MHz		7.5	6.1
460MHz	15		
470MHz		10.9	8.9
860MHz	19.5	14.5	12.5
1,000MHz	21.5	16.2	13.6
1,350MHz		19	16
1,750MHz	29.0	22	18.6
2,150MHz	32.5	24.8	20.9
2,400MHz		27	22.5
3,000MHz		30.2	25.2
Return Loss (-dB)			
5MHz - 30MHz	>23	>23	>23
30MHz - 470MHz	>23	>23	>23
470MHz - 862MHz	>20	>20	>20
862MHz - 2,150MHz	>18	>18	>18
Screening Attenuation			
30MHz - 470MHz	>75		
470 MHz - 1,000MHz	>75		
1,000MHz - 2,150MHz	>65		

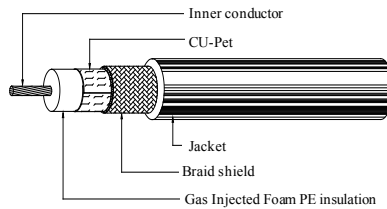
Design:



3248



3249



3250

Part Number Table

Description	Part Number
Cable, Coaxial, 100m, Black, CTF100	3248
Cable, Coaxial, 100m, Black, CTF125	3249
Cable, Coaxial, 100m, Black, CTF167	3250

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell 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. pro-POWER is the registered trademark of the Group. © Premier Farnell plc 2012.