Coaxial Cable CTF

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Product Description:

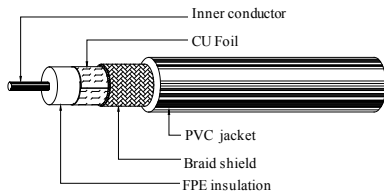| Part Number	PP000629	PP000630	PP000631
Application	For communication and signal control systems		
Reference Standard	Customer's sample spec. and the general standard		
Multi-construction	1		

Cable Construction:

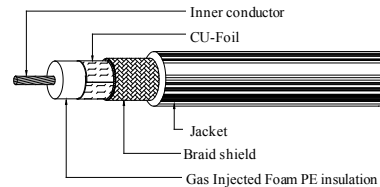| Conductor	Bare Copper		
Construction	1 ±0.02	1.25 ±0.02	1.67±0.03
Stranded Dia. (mm)	1	1.25	1.67
Insulation Layer	Gas injection Foam PE		
Thickness (mm)	1.8	2.2	2.8
Insulation Dia.	(±0.15mm)	(±0.2mm)	(±0.25mm)
	4.6	5.65	7.35
CU-Foil Shield(over lapping,%)	>115%	≥115%	≥115%
Thickness (μ)	40		
Braiding	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

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Electrical Characteristics:

Part Number	PP000629	PP000630	PP000631
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		

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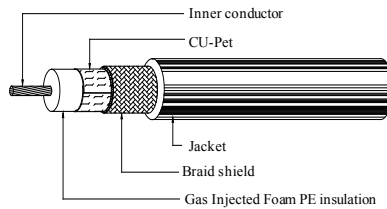
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Design:

PP000629

PP000630

PP000631

Part Number Table

Description	Part Number
Cable, Coaxial, 100m, Black, CTF100	PP000629
Cable, Coaxial, 100m, Black, CTF125	PP000630
Cable, Coaxial, 100m, Black, CTF167	PP000631

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