


Product Name: RG11.P11ET77EFORF

Product description: (See Fig)

Center conductor	Material:	Hard copper-clad steel	
	Diameter:	1.63mm±1%	
	Conductivity:	≥25%	
Dielectric	Material:	Foam PE	
	Diameter:	7.11±0.10mm	
Shielding	1st Shielding:	28mm Double aluminum foil bonded, Overlap > 20% TAPE DIA: 7.32±0.10mm	
	2nd Shielding:	8*16*0.16mm Aluminum Braid, 35.2mm Pitch 77% Coverage	
	3rd Shielding:	31mm Double aluminum foil bonded jacket	
Floodant	Material:	Polybutane	
Jacket	Material:	PE	
	Diameter:	10.16±0.25 mm ,Ave.Thickness: 1.0mm, Min. Thichness >0.75mm	
	Color of jacket:	Orange	
Printing	PPC PERFECT FLEX *2021* 0002FT-1000FT		
Package	1000FT/Wooden Drum,45.72X16X30cm.		

Electrical performance:

Internal conductor DCR (20℃)	≤35.9Ω/km
Outer Shield DCR (20℃)	≤13.3Ω/km
Vp:	>84%
Impedance:	75±3Ω
Capacity:	52 ±2.5 pF/m
Spark test (50Hz):	≥2.5KV
Insulation Resistance:	>1000MΩ.km
Insulation withstand voltage:	≥AC 1.0KV,1min
Return Loss:	5-1002Mhz≤-20dB; 1002-3000Mhz≤-15dB;

Attenuation: (at 20℃)

Frequency: MHz	MAX. (dB/100ft)	Frequency: MHz	MAX. (dB/100ft)	Frequency: MHz	MAX. (dB/100ft)
5	≤0.36	450	≤2.69	2000	≤6.36
55	≤0.95	500	≤2.85	2050	≤6.44
100	≤1.26	550	≤3.01	2100	≤6.52
211	≤1.81	600	≤3.16	2150	≤6.60
250	≤1.98	750	≤3.58	2200	≤6.68
270	≤2.06	870	≤3.90	2250	≤6.76
300	≤2.17	1000	≤4.23	2300	≤6.83
330	≤2.29	1200	≤4.71	2500	≤7.12
350	≤2.36	1450	≤5.29	2700	≤7.40
400	≤2.53	1750	≤5.95	3000	≤7.81

Note: It is qualified within 105% of the above attenuation value.

Weather resistance and mechanical properties

1.Insertion Force Test Data	17-30lbf
2.Dielectric Oxidative Induction Time (OIT):	>20min
3.tensile strength of jacket:	>10MPa
4.Elongation of jacket:	>200%
5.retention of Elongation after aging	>80%
6.Operating temperature range	- 55~80℃

This cable fully conforms to EU Directive 2011/65/EU (RoHS-2.0)

Revision:	DATA	Issue / change content	Edited	Checker	Approval
A/1	2025/8/6		Qiu meihua	Weitianlong	Jinjianbing