

Cross Linked PE Radio Frequency Coaxial Cables



Characteristic:

- * Suitable for high temperature operation
- * Fire retardant/ Anti-smoke
- * Halogen free
- * Excellent low return loss



Remark:

SPEX -- Cross Link Foam PE

PEX -- Cross Link PE

Specification and model		RD 58	RD 142	RD 400	RD 316-D	RD 240	RD 213	RD 214	RD 179	RD 59
Inner Conductor	Diameter (mm)	0.9	0.95	1.0	0.54	1.40	2.25	2.25	0.305	0.66
	Struture	0.18 X 19	0.95 X 1	0.20 X 19	0.175 X 7	1.40 X 1	0.752 X 7	0.752 X 7	0.102 X 7	0.22 X 3
	Materials	TC	SC	SC	SCCS	SC	BC	SC	SCCS	TC
Insulator	Diameter (mm)	2.95	2.98	2.98	1.53	3.83	7.25	7.25	1.55	3.83
	Materials	PEX	SPEX	SPEX	SPEX	SPEX	PEX	PEX	SPEX	PEX
Shield	Shield					AL/P/AL-foil				
Outer Conductor 1	Shield Materials		SC	SC	SC	TC	SC	SC	SC	TC
	Coverage (%)		97	96	96	86	95	93	94	94
Outer Conductor 2	Materials	TC	SC	SC	SC			SC		
	Coverage (%)	95	95	94	90			95		
Jacket	Materials	FR-LSZH								
	Diameter (mm)	5.10	5.34	5.34	3.20	5.50	10.60	11.10	2.80	6.24
Electrical characteristics										
Maximum Power (W)		130	225	225	110	198	560	560	45	93
Impedance (+/-2Ω)		50	50	50	50	50	50	50	75	75
Capacitance (Pf/m)		101	94.5	94.5	94.5	80.3	101	101	69.7	68
Velocity ratio (%)		66	70.9	70.3	70.1	83	66	66	63	66.1
Time delay (ns/m)		5.05	4.7	4.74	4.72	4.01	5.03	5.03	4.78	5.05
Insulation resistance (MΩ.km)		10,000								
Dielectric Strength V/DC		2,500	2,500	2,500	1,500	700	5,000	5,000	155	3,000
Jacket Sparker V/RMS		5,000	5,000	5,000	3,000	1,400	100,000	10,000	1,500	5,000
Attenuation (20°C dB/m)	1 GHz	0.56	0.51	0.54	0.83	0.28	0.26	0.31	0.9	0.49
	2 GHz	0.89	0.80	0.85	1.21	0.42	0.41	0.49	1.32	
	3 GHz		1.06	1.12	1.52	0.54		0.64	1.62	
	4 GHz		1.30	1.37	1.79	0.65		0.79		
	5 GHz		1.53	1.61	2.04	0.75		0.93		
	6 GHz		1.75	1.84	2.27	0.84		1.06		
Engineering data										
Mini. operating temp.(°C)		- 40								
Max. operating temp.(°C)		+ 105								
Bend Radius:installation (mm)		50	50	60	30	90	100	110	25	35
Bend Radius:repeated(mm)		100	100				150	170		60