OutDoor Table

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		SHF4MPJ	SHF5OD	SHF5PJ	SHF5MOD	SHF5MPJ	SHF8OD	SHF8PJ	SHF8MOD	SHF8MPJ
Construction	Application Code	OD / ULL / AHD	OD	OD / AHD	OD / ULL	OD / ULL / AHD	OD	OD / AHD	OD / ULL	OD / ULL / AHD
	Center conductor	Solid SPC	Stranded SPC	Stranded SPC	Solid SPC	Solid SPC	Stranded SPC	Stranded SPC	Solid SPC	Solid SPC
	Dielectric	Low density PTFE tape	PTFE tape	PTFE tape	Low density PTFE tape	Low density PTFE tape	PTFE tape	PTFE tape	Low density PTFE tape	Low density PTFE tape
	Inner shield	SPC tape + Aluminum polyimide	SPC tape + Polyester tape	SPC tape	SPC tape + Polyester tape	SPC tape	SPC tape + Polyester tape	SPC tape	SPC tape + Polyester tape	SPC tape
	Outer shield	SPC braid	SPC braid	SPC braid	SPC braid	SPC braid	SPC braid	SPC braid	SPC braid	SPC braid
	Jacket	Black PU	Black PU	Black PU	Black PU	Black PU	Black PU	Black PU	Black PU	Black PU
	Outer diameter (Max.)	4.10 mm / 0.161 inch	6.25 mm / 0.242 inch	10.90 mm / 0.429 inch	5.90 mm / 0.228 inch	10.90 mm / 0.429 inch	8.60 mm / 0.335 inch	14.80 mm / 0.583 inch	8.60 mm / 0.335 inch	14.80 mm / 0.583 inch
Electrical Characteristics	Impedance	50 ohms ±1 ohm	50 ohms ±1 ohm	50 ohms ±1 ohm	50 ohms ±1 ohm	50 ohms ±1 ohm	50 ohms ±1 ohm	50 ohms ±1 ohm	50 ohms ±1 ohm	50 ohms ±1 ohm
	Operating frequency range	DC - 40 GHz	DC - 26.5 GHz	DC - 26.5 GHz	DC - 26.5 GHz	DC - 26.5 GHz	DC - 18 GHz	DC - 18 GHz	DC - 18 GHz	DC - 18 GHz
	Velocity of propagation	84%	78%	78%	84%	84%	78%	78%	84%	84%
	Time delay	4.0 ns/m ; 1.2 ns/ft	4.3 ns/m ; 1.3 ns/ft	4.3 ns/m ; 1.3 ns/ft	4.0 ns/m ; 1.2 ns/ft	4.0 ns/m ; 1.2 ns/ft	4.2 ns/m ; 1.3 ns/ft	4.2 ns/m ; 1.3 ns/ft	4.0 ns/m ; 1.2 ns/ft	4.0 ns/m ; 1.2 ns/ft
	Capacitance at 1 GHz	79 pF/m ; 24.1 pF/ft	85 pF/m ; 25.8 pF/ft	85 pF/m ; 25.8 pF/ft	79 pF/m ; 23.9 pF/ft	79 pF/m ; 23.9 pF/ft	85 pF/m ; 25.8 pF/ft	85 pF/m ; 25.8 pF/ft	79 pF/m ; 23.9 pF/ft	79 pF/m ; 23.9 pF/ft
	Screening effectiveness at 18 GHz	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB
	Phase stability with bending	<0.4° / 360° / GHz	<0.4° / 360° / GHz	<0.4° / 360° / GHz	<0.4° / 360° / GHz	<0.4° / 360° / GHz	<0.4° / 360° / GHz	<0.4° / 360° / GHz	<0.4° / 360° / GHz	<0.4° / 360° / GHz
	Phase stability with temp.	<1.3°/m/GHz (-55 / +100°C)			<1°/m/GHz (-55 / +100°C)	<1°/m/GHz (-55 / +100°C)			<1°/m/GHz (-55 / +100°C)	<1°/m/GHz (-55 / +100°C)
	Attenuation stability with bending	<0.05 dB at 18 GHz / <0.1 dB at 26.5 GHz	<0.1 dB at 18 GHz / <0.15 dB at 26.5 GHz	<0.1 dB at 18 GHz / <0.15 dB at 26.5 GHz	<0.05 dB at 18 GHz / <0.1 dB at 26.5 GHz	<0.05 dB at 18 GHz / <0.1 dB at 26.5 GHz	<0.1 dB (at 18 GHz)	<0.1 dB (at 18 GHz)	<0.05 dB (at 18 GHz)	<0.05 dB (at 18 GHz)
	Att. variation with temp.	Att. (at X°C) = att.(at 20°C) x (1 + (X - 20) x 0.002)				Att. (at X°C) = att.(at 20°C) x (1 + (X - 20) x 0.002)				
Mechanical	Maximum weight	175 g/m - 53.4 g/ft	78 g/m - 23.6 g/ft	262 g/m - 79,4 g/ft	68 g/m - 20.6 g/ft	250 g/m - 75.8 g/ft	155 g/m - 47 g/ft	480 g/m - 145.4 g/ft	135 g/m - 40.9 g/ft	470 g/m - 142.4 g/ft
	Min. bend radius	20 mm - 0.788 inch	25 mm - 0.984 inch	25 mm - 0.984 inch	25 mm - 0.984 inch	25 mm - 0.984 inch	40 mm - 1.575 inch	40 mm - 1.575 inch	40 mm - 1.575 inch	40 mm - 1.575 inch
	Crush resistance	> 2 500 N / 100 mm	> 400 N / 100 mm	> 2500 N / 100 mm	> 400 N / 100 mm	> 2500 N / 100 mm	> 400 N / 100 mm	> 2500 N / 100 mm	> 400 N / 100 mm	> 2500 N / 100 mm
Environmental	Operating temp. range (*)	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F	-55 / +100° C -67 / +212° F
	Flammability	JAR25/FAR25 853	JAR25/FAR25 853	JAR25/FAR25 853	JAR25/FAR25 853	JAR25/FAR25 853	JAR25/FAR25 853	JAR25/FAR25 853	JAR25/FAR25 853	JAR25/FAR25 853
	Halogen free jacket	No	No	No	No	No	No	No	No	No
Frequency/Attenuation	1 (dB /m - dB /ft)	0.3 - 0.09	0.26 - 0.08	0.26 - 0.08	0.23 - 0.07	0.23 - 0.07	0.18 - 0.05	0.18 - 0.05	0.15 - 0.04	0.15 - 0.04
	2	0.43 - 0.13	0.37 - 0.11	0.37 - 0.11	0.32 - 0.1	0.32 - 0.1	0.26 - 0.08	0.26 - 0.08	0.21 - 0.06	0.21 - 0.06
	4	0.61 - 0.19	0.54 - 0.16	0.54 - 0.16	0.46 - 0.14	0.46 - 0.14	0.38 - 0.12	0.38 - 0.12	0.3 - 0.09	0.3 - 0.09
	6	0.75 - 0.23	0.67 - 0.2	0.67 - 0.2	0.57 - 0.17	0.57 - 0.17	0.48 - 0.15	0.48 - 0.15	0.37 - 0.11	0.37 - 0.11
	8	0.87 - 0.27	0.79 - 0.24	0.79 - 0.24	0.66 - 0.2	0.66 - 0.2	0.56 - 0.17	0.56 - 0.17	0.44 - 0.13	0.44 - 0.13
	12.4	1.1 - 0.33	1 - 0.31	1 - 0.31	0.84 - 0.26	0.84 - 0.26	0.72 - 0.22	0.72 - 0.22	0.55 - 0.17	0.55 - 0.17
	18	1.33 - 0.41	1.24 - 0.38	1.24 - 0.38	1.02 - 0.31	1.02 - 0.31	0.9 - 0.27	0.9 - 0.27	0.68 - 0.21	0.68 - 0.21
	26.5	1.64 - 0.5	1.55 - 0.47	1.55 - 0.47	1.27 - 0.39	1.27 - 0.39				
	32	1.82 - 0.55								
	40	2.05 - 0.62								
	Attenuation calculation (dB/m)	(0.2955 x √F GHz) + (0.0045 x F GHz)	(0.25 x √F GHz) + (0.01 x F GHz)	(0.25 x √F GHz) + (0.01 x F GHz)	(0,22 x √F GHz) + (0,005 x F GHz)	(0.22 x √F GHz) + (0.005 x F GHz)	(0.17 x √F GHz) + (0.01 x F GHz)	(0.17 x √F GHz) + (0.01 x F GHz)	(0.14 x √F GHz) + (0.005 x F GHz)	(0.14 x √F GHz) + (0.005 x F GHz)