Jas Technologies S.A.
Telecom Distributor

RG6 DUAL
RG6 TRI
RG6 QUAD

Structure	Material	RG6 DUAL	RG6 TRI	RG6QUAD
Conductor	BC/CCS	1.02mm (18AWG, 0.04")		
Dielectric	FPE	4.57mm (0.18")		
1st Shield	Al Foil	100%, Overlap >2mm		
2nd Shield	BC or Al Braiding	30%-95%		60%
3rd Shield	Al Foil	-	100%, Overlap >2mm	
4th Shield	BC or Al Braiding	-	-	40%
Jacket PVC/PE	Outer Diameter	6.91mm (0.272")	7.02mm (0.276")	7.62mm (0.30")
	Nominal Thickness	0.76mm (0.030")	0.76mm (0.030")	0.86mm (0.034")
Messenger	Steel	1.30mm or 1.83mm		

Dielectic Adhesion		>20N/5cm
Breaking Strength of Messenger		1.30mm 82kgf; 1.83mm 166kgf
Impendence		75±3 Ohm
Capacitance		50±3.0 nf/KM
Velocity of Propagation		83±2%
Shielding Effectiveness	55MHz	⩾60dB
	300MHz	⩾70dB
	1000MHz	⩾70dB
Return Loss (100% swept)	1~470MHz	⩾22dB
	470~1000MHz	⩾20dB
	1000~2200MHz	⩾18dB

For CATV			For Satellite	
Frequency(MHZ)	Max.(dB/100m)	Max. (dB/100ft)	Frequency(MHZ)	Max.(dB/100m)
5	1.90	0.58	1	0.82
55	5.25	1.60	10	2.30
83	6.40	1.95	50	4.79
187	9.35	2.85	100	6.40
211	10.00	3.05	200	8.96
250	10.28	3.14	400	12.46
300	11.64	3.55	700	17.05
350	12.63	3.85	900	19.34
400	13.61	4.15	1000	20.65
450	14.43	4.40	1200	22.30
500	15.09	4.60	1450	24.91
550	16.08	4.90	1800	26.58
600	16.73	5.10	2200	32.12
750	18.54	5.65		
865	20.01	6.10		
1000	21.48	6.55		

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RG/AT412
RG/AT500
RG/AT565

Cable Type		AT412	AT500	AT565
Inner conductor	Copper Clad Aluminium (CCA)	Φ2.26 mm	Φ2.77 mm	Φ3.28 mm
Dielectric	Foam PE	Φ9.19 mm	Φ11.43 mm	Φ13.20 mm
Outer conductor	Seamless Solid Al Tube	Φ10.46 mm; T0.61mm	Φ12.70 mm; T0.61mm	Φ14.36 mm; T0.64mm
Sheath	PE / LSZH	Φ12.02 mm	Φ14.22 mm	Φ15.86 mm
Messenger (JCAM Only)	Steel Wire	Φ2.77 mm	Φ2.77 mm	Φ2.77 mm
Jelly /APD		Optional	Optional	Optional

Cable Type	AT412	AT500	AT565
Impedance	75±3 Ohm	75±3 Ohm	75±3 Ohm
Nominal Capacitance	50±3 pF/m, 15.3±1pF/ft	50±3 pF/m, 15.3±1pF/ft	50±3 pF/m, 15.3±1pF/ft
Velocity of Propagation	87%	88%	88%
Insulation Resistance	>5000 Mohm.Km	>5000 Mohm.Km	>5000 Mohm.Km
Inner Conductor Resistance	8.43 Ohm/Km	5.64 Ohm/Km	4.26 Ohm/Km
Outer Conductor Resistance	1.64 Ohm/Km	1.21 Ohm/Km	1.12 Ohm/Km
Minimum Bending Radius	16.5 cm	16.5 cm	12.7 cm
Maximum Pulling Tension	68 Kgf	136 kqf	159 kqf
Installation &Operating Temperature	-40℃~+85℃	-40℃~+85℃	-40℃ - +85℃

Frequency (MHz)	dB/100ft. (MAX.)			dB/100m (MAX.)		
	AT412	AT500	AT565	AT412	AT500	AT565
5 MHz	0.20	0.16	0.14	0.65	0.52	0.46
55 MHz	0.69	0.54	0.47	2.26	1.77	1.54
83 MHz	0.86	0.66	0.58	2.82	2.17	1.90
211 MHz	1.41	1.09	0.95	4.62	3.58	3.12
250 MHz	1.54	1.20	1.03	5.05	3.94	3.38
300 MHz	1.70	1.31	1.13	5.57	4.30	3.71
350 MHz	1.87	1.43	1.23	6.13	4.69	4.04
400 MHz	1.97	1.53	1.32	6.46	5.02	4.33
450 MHz	2.11	1.63	1.40	6.92	5.35	4.59
500 MHz	2.24	1.73	1.49	7.34	5.67	4.89
550 MHz	2.35	1.82	1.56	7.71	5.97	5.12
600 MHz	2.47	1.91	1.64	8.10	6.27	5.38
750 MHz	2.78	2.16	1.85	9.12	7.09	6.07
865 MHz	3.01	2.34	2.01	9.87	7.68	6.56
1000 MHZ	3.27	2.52	2.17	10.73	8.27	7.12

Return Loss	5-30 MHz	>30dB
	30-470 MHz	>30dB
	470-1000 MHz	>30dB

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