

CABLE

NO.of Pair	Type of Cable & Items Code			Standard Length
	Telephone Pair LAP Sheathed Jelly Filled Cable			
	0.4 mm	0.5 mm	0.6 mm	
10 Pair	CS-TPJLA04-10	CS-TPJLA05-10	CS-TPJLA06-10	1000M/500M/Reel
20 Pair	CS-TPJLA04-20	CS-TPJLA05-20	CS-TPJLA06-20	1000M/500M/Reel
30 Pair	CS-TPJLA04-30	CS-TPJLA05-30	CS-TPJLA06-30	1000M/500M/Reel
50 Pair	CS-TPJLA04-50	CS-TPJLA05-50	CS-TPJLA06-50	1000M/500M/Reel
100 Pair	CS-TPJLA04-100	CS-TPJLA05-100	CS-TPJLA06-100	1000M/500M/Reel
200 Pair	CS-TPJLA04-200	CS-TPJLA05-200	CS-TPJLA06-200	1000M/500M/Reel
300 Pair	CS-TPJLA04-300	CS-TPJLA05-300	CS-TPJLA06-300	1000M/500M/Reel
400 Pair	CS-TPJLA04-400	CS-TPJLA05-400	CS-TPJLA06-400	1000M/500M/Reel
600 Pair	CS-TPJLA04-600	CS-TPJLA05-600	CS-TPJLA06-600	1000M/500M/Reel



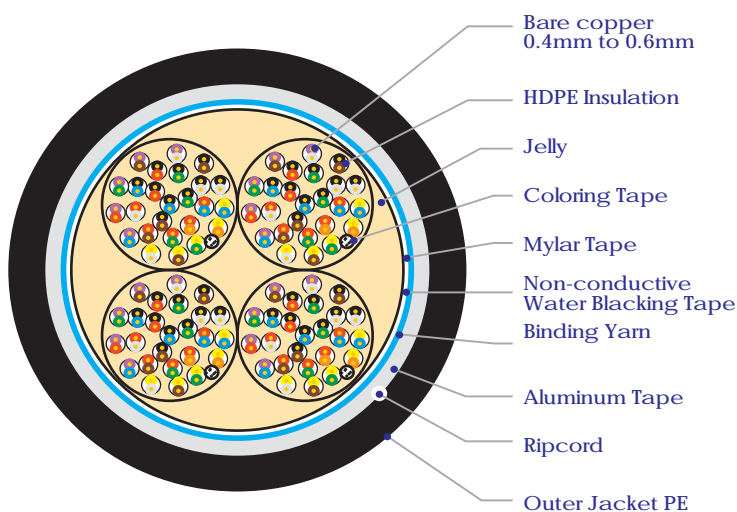
Telephone Pair LAP Sheathed Jelly Filled Cable

APPLICATION

LAP sheathed Jelly Filled Cable are used for distribution and long distance networks. These Cables are installed into ducts.

PHYSICAL SPECIFICATIONS

Material Type & Conductor Size	Solid Bare Copper	0.4mm	0.5mm	0.6mm
Insulation Material Type & Thickness	HDPE	0.15mm	0.2mm	0.25mm
Insulated Conductor Diameter		0.7mm	0.9mm	1.14mm
No. of Pair & Coverage Type	10 to 600 Pair - Polyester Rip Cored			
Protection & Shielding	Jell Filled /Polyester Tape/ Non-Conductive Water Blocking Tape & Aluminum Tape			
Oter Jacket Material & Cable Colour	PE / Black			
Pair Colour Code Standard	ICEA S-84-608			



Product Specifications

Telephon Pair LAP Sheathed Jelly Filled Cable

ELECTRICAL PERFORMANCE

	mm	0.4	0.5	0.6	
Nominal Conductor diameter	mm	0.4	0.5	0.6	
Maximum Average DC Resistance	Ω/ km Ω/mile	140 / 225	87 / 140	55 / 88.6	
Maximum Individual DC Resistance	Ω/ km Ω/mile	144.2 / 232	89.5 / 144	56.5 / 91.0	
Maximum Insulation Resistance @500V DC	MΩ.km MΩ.mile	1600 / 1000	1600 / 1000	1600 / 1000	
Maximum Average Resistance Unbalance	%	1.5	1.5	1.5	
Maximum Individual Resistance Unbalance	%	5	5	5	
Average Mutual Capacitance	nF/km nF/kft	48.5 - 54.0 14.8 - 16.5	48.5 - 54.0 14.8 - 16.5	48.5 - 54.0 14.8 - 16.5	
Maximum Individual Mutual Capacitance	nF/km nF/kft	57 / 17.4	57 / 17.4	57 / 17.4	
Maximum Individual Capacitance Unbalance pair to pair	nF/km nF/kft	145 / 44	145 / 44	145 / 44	
Capacitance Unbalance RMS Pair to Pair	nF/km nF/kft	45 / 13.7	45 / 13.7	45 / 13.7	
Maximum Individual Capacitance Unbalance pair to ground	nF/km nF/kft	2625 / 800	2625 / 800	2625 / 800	
Maximum Average Capacitance Unbalance pair to ground	nF/km nF/kft	574 / 175	574 / 175	574 / 175	
Maximum Conductor Loop Resistance @20°C	Ω/ km Ω/mile	300 / 482	192 / 309	144 / 183.6	
Impedance @1KHz	Ω	994	796	660	
Impedance @100KHz	Ω	147	134	125	
Impedance @512KHz	Ω	120	118	117	
Impedance @1MHz	Ω	117	115	114	
Maximum Average Attenuation @0.8KHz	dB/km dB/kft	1.64 / 0.5	1.30 / 0.39	1.04 / 0.32	
Maximum Average Attenuation @1KHz	dB/km dB/kft	1.68 / 0.51	1.35 / 0.41	1.68 / 0.51	
Maximum Average Attenuation @3KHz	dB/km dB/kft	3.18 / 0.97	2.52 / 0.77	3.18 / 0.97	
Maximum Average Attenuation @150KHz	dB/km dB/kft	11.4 / 3.47	8.3 / 2.53	11.4 / 3.47	
Maximum Average Attenuation @772KHz	dB/km dB/kft	24.3 / 7.4	19.4 / 5.9	24.3 / 7.4	
Maximum Average Attenuation @1000KHz	dB/km dB/kft	27.1 / 8.25	21.4 / 6.52	27.1 / 8.25	
Dielectric Strength	Conductor to Conductor (3 Secs)	V DC	2400	3000	2400
	Conductor to Screen (3 Secs)	V DC	10000	10000	10000
Minimum EL Far-end Cross-talk Mean Power Sum	@150KHz	dB/305m dB/kft	61	63	61
	@772KHz	dB/305m dB/kft	47	49	47
	@1.6KHz	dB/305m dB/kft	41	42	41
	@3.15KHz	dB/305m dB/kft	35	37	35
	@6.3KHz	dB/305m dB/kft	29	31	29
Minimum Near -end Cross-talk Mean Power Sum	@150KHz	dB/305m dB/kft	57	57	57
	@772KHz	dB/305m dB/kft	43	43	43
	@1.6KHz	dB/305m dB/kft	37	37	37
	@3.15KHz	dB/305m dB/kft	31	31	31
	@6.3KHz	dB/305m dB/kft	25	25	25

TEMPERATURE RANGE

During Installation	-30°C up to +70°C
During Operating	-30°C up to +75°C