

Filled Telecommunication Cables

As per British Telecom spec. : CW 1128/1179/1198

Application Range

Jelly filled Cables are meant for inter exchange connection and local network use. UPTL is manufacturing cables with conductor size 04 / 0.5 /0.63/ 0.9 mm multipairs upto 100 Pair Armoured / Unarmoured, Screened Unscreened cables.

Construction

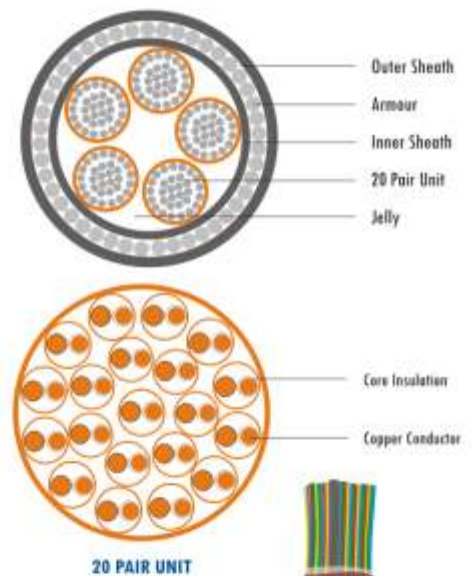
Solid Plain Annealed Copper Conductor Polythene Insulation Twisted into Pairs Stranded into units laidup, filled with Petroleum Jelly & Polyester taped Screen of Poly Al. Tape (optional) (CW : 1179) Polythene Sheathed Steel Wire Armoured Polythene Jacketed.

Electrical Characteristics at 20°C

Conductor Size	mm	Nom.	0.50	0.9
Conductor Resistance for 1 km. loop	ms	Max.	184	60
Resistance Unbalance	%	Max.	2.5	2
Insulation Resistance	Mohm/Km	Max.	5000	5000
High Voltage for 3 Sec	DC KV	Min.	2.4	3.5
Mutual Capacitance at 1000 Hz Avg.	Pt/Mtr		52.5	52.5
Near and cross talk attenuation at 150 KHz min.	db/Km	Min.	55	55
Far and cross talk attenuation At 150 KHz min.	db/Km	Min	55	55
Attenuation Avg. Value at 1 KHz	db/Km	Max.	8.25	4.4
Capacitance Unbalance (Pair to Pair)	Avg. Pf/Km	Max.	50	50
Capacitance Unbalance (Pair to Ground)	Ind. pf.Km	Max.	200	200
Capacitance Unbalance (Pair to Ground)	Avg. pf/Km	Max.	750	750
Capacitance Unbalance (Pair to Ground)	Ind. pf.Km	Max.	3000	3000

100 Pair x 0.50 mm Jelly Filled Armoured Telephone Cable

CROSS-SECTIONAL VIEW



Physical Characteristics

Size No. of Pairs	0.50 mm		0.63 mm		0.90 mm	
	O.D. mm Appx.	Weight Kg/Km Appx.	O.D. mm Appx.	Weight Kg/Km Appx.	O.D. mm Appx.	Weight Kg/Km Appx.
5 UA	10.0	81	10.5	100	15.2	175
A	18.0	290	17.0	440	22.0	100
10 UA	11.0	125	12.5	165	16.5	200
A	17.5	410	18.5	490	23.5	770
20 UA	13.5	205	15.5	280	21.0	530
A	20.5	670	22.5	800	29.5	1430
50 UA	19.5	420	22.0	590	31.0	1220
A	26.5	1200	30.0	1500	41.0	2810
100 UA	25.0	770	29.5	1110	42.0	2330
A	33.5	1830	39.5	2630	53.0	4900

Available in Non-returnable drum lengths - 500m/1000m (+/-5%)



CMI LIMITED

Communications & Cabling Solutions
An ISO 9001 Company