



# Cable equipment 2000 <sup>10</sup> 148-945. to British Telecom Spec. CW 1308

Cables to CW 1308 are replacing cables to CW 1293 and have a much improved colour coding system in which all cores are bi-coloured with the base colour of one wire of a pair being the band colour of the other. Concentric layers are used for up to 25 pairs, but by using unit construction coupled with the improved colour code, cables of up to 128 pairs are available. CW 1308 cables are used for cable equipment 2000 designed to cater for the new distribution networks and digital systems. Cables, depending on their constructional methods, are used as follows:

Layer construction — for general use.

Cables containing 16 pair units are for use with binary number systems.

Cables containing 20 pair units plus 1.38 mm diameter earth wire are for use with customer distribution schemes.

## CONSTRUCTION

Tinned solid copper conductors, PVC insulated, PVC oversheathed. A non-metallic rip-cord is laid under the oversheath to facilitate its removal. The preferred sheath colour is white although cream, grey or black sheaths can be supplied to order.

## RANGE AND DIMENSIONS

Conductor			Insulation (PVC)	
Nominal area mm <sup>2</sup>	Size mm	Maximum resistance at 20°C ohm/km	Minimum radial thickness mm	Maximum overall diameter mm
0.126	1/0.4	153	0.15	0.85
0.196	1/0.5	97.8	0.15	0.95
1.5	1/1.38	12.4	0.55	3.50



Cable laying-up machine

147-769 TO  
148-945

# Cable equipment 2000 to British Telecom Spec. CW 1308

## LAYER CONSTRUCTION (PAIRS)

BT designation	Conductor size mm	No. of pairs	Pair colours (see page 14)	Sheath	
				Minimum radial thickness mm	Maximum diameter mm
2402	1/0.4	2	1 & 2	0.4	3.9
2403	1/0.4	3	1 - 3	0.5	5.3
2404	1/0.4	4	1 - 4	0.5	5.8
2406	1/0.4	6	1 - 6	0.6	6.8
2410	1/0.4	10	1 - 10	0.6	8.3
2412	1/0.4	12	1 - 12	0.7	8.9
2420	1/0.4	20	1 - 20	0.7	10.4
2425	1/0.4	25	1 - 25	0.8	11.1
2503	1/0.5	3	1 - 3	0.6	4.8
2504	1/0.5	4	1 - 4	0.5	5.8
2506	1/0.5	6	1 - 6	0.6	6.8
2510	1/0.5	10	1 - 10	0.6	8.3
2512	1/0.5	12	1 - 12	0.7	9.1
2515	1/0.5	15	1 - 15	0.7	9.8
2520	1/0.5	20	1 - 20	0.8	10.7
2525	1/0.5	25	1 - 25	0.8	11.4

## UNIT CONSTRUCTION

### 16 pair unit cables (for digital systems)

BT designation	Conductor size mm	No. of pairs	Sheath	
			Minimum radial thickness mm	Maximum diameter mm
2432U	1/0.4	32	0.4	12.0
2464U	1/0.4	64	1.1	16.0
2508U	1/0.5	8	0.6	7.0
2516U	1/0.5	16	0.7	10.2
2532U	1/0.5	32	0.8	12.3
2564U	1/0.5	64	1.0	15.5
2580U	1/0.5	128	1.6	25.0

### 20 pair unit cables (for distribution networks)

BT designation	Conductor size mm	No. of pairs	Sheath	
			Minimum radial thickness mm	Maximum diameter mm
2610E	1/0.5	10	0.6	8.0
2540E	1/0.5	20	0.7	10.0
2540E	1/0.5	40	0.8	15.0
2580E	1/0.5	80	1.2	25.0