

D.2.5 The voltage drop of single-core cables can be improved by using a trefoil configuration.

D.2.6 The reactance (X) values for trefoil cables can be obtained from cable manufacturers.

WARNING Use only for maximum lengths. For current-carrying capacity of cables and conductors, see 6.2.

Table D.2(a) — Maximum lengths, in metres, of copper cables/circuits at a given circuit-breaker current rating for single phase ($F_v = 2$)

1	2	3	4	5	6	7	8	9	10
Nominal cross-sectional area mm ²	Circuit-breaker current rating A								
	10	15	20	25	30	40	50	60	80
1	26	—	—	—	—	—	—	—	—
1,5	39	26	—	—	—	—	—	—	—
2,5	66	44	33	26	—	—	—	—	—
4	104	69	52	41	34	—	—	—	—
6	159	106	79	63	53	39	—	—	—
10	261	174	130	104	87	65	52	43	—
16	410	273	205	164	136	102	82	68	51
<p>NOTE 1 Power factor is unity.</p> <p>NOTE 2 Maximum permissible voltage drop between phases and neutral if full circuit-breaker loading is 5 % of 230 V, i.e. 11,5 V.</p> <p>NOTE 3 Only popular circuit-breaker ratings have been selected.</p>									