

CLEARANCES: PHASE-PHASE AND PHASE-EARTH

Check the cable box clearances with Table 1. If X and Y are less than the values given in Table 1, Raychem insulating boots must be used.

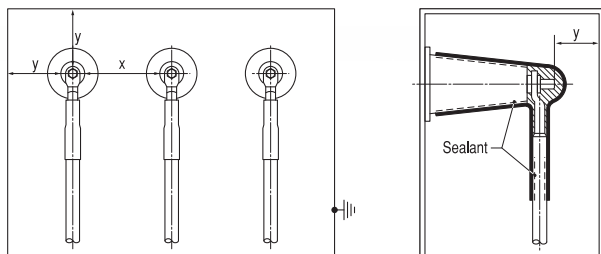


Table 1 – Minimum air clearances for terminations in cable boxes in accordance with BS 162 Class A

Highest voltage for cable, phase-phase (kV)	6.6	11	22	33
Minimum air clearance between live metal X (mm)	90	127	242	356
Minimum air clearance between live metal and ground Y (mm)	65	75	140	222

If the connection is insulated with Raychem boots, the dimensions **X** and **Y** can be reduced to the values in Table 2.

Table 2 – Impulse voltage withstand for Raychem indoor terminations with insulating boots based on bushings in accordance with BS 2562

Impulse voltage withstand (kV)	75	95	125	170
Minimum clearance between live metal X (mm)	45	75	100	125
Minimum clearance between live metal and ground Y (mm)	32	60	75	100

When installed, the minimum clearances between cores and between cores and ground must be as shown in Table 3.

Table 3 – Minimum clearance between the cores and the cores and ground

Highest voltage for cable, phase-phase (kV)	6.6	11	22	33
Minimum clearance b (mm)	10	15	25	35
c (mm)	15	20	40	50

b is measured at the end of the core screen.

c is measured at the end of the stress control tubing.

