Horizontal Distances of Copper Links (Open Office)

Copper work area cables connected to a MuTOA (Multi-user Telecommunications Outlet Assembly), shall meet the requirements of '568-B.1. The maximum length of copper work area cables shall be determined according to:

C=(102-H)/1.2
W=C-5(<20m)

Where:
C is the combined length of the work area cable, equipment cable and patch cord (m).
W is the length of the work area cable (m).
H is the length of the horizontal cable (m).

The above equations assume that there is a total of 5m (16 ft.) of patch and equipment cables in the telecommunications closet. Table 1 shows the application of these formulae. The length of work area cables shall not exceed 20m (66 ft.). The MuTOA shall be marked with the maximum allowable work area cable length.

Table 1 - Maximum Length of Work Area Cables

Length of Horizontal Cable	Maximum Length of Work Area Cable	Maximum Combined Length of Work Area Cables, Patch Cords, and Equipment Cable
H m (ft.)	W m (ft.)	C m (ft.)
90 (295)	5 (16)	10 (33)
85 (279)	9 (30)	14 (46)
80 (262)	13 (44)	18 (59)
75 (246)	17 (57)	22 (72)
70 (230)	22 (71)	27 (89)