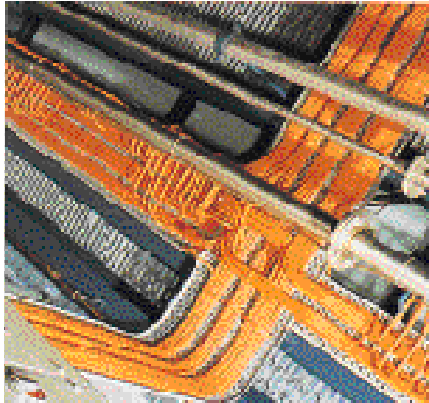


Installation Design

'Spaced' means a clearance between adjacent surfaces of at least one cable diameter (D_e).

Where the horizontal clearances between adjacent cables exceeds $2D_e$, no correction factor need be applied.



NOTES:

1. The factors in the table are applicable to groups of cables all of one size. The value of current derived from application of the appropriate factors is the maximum continuous current to be carried by any of the cables in the group.
2. If, due to known operating conditions, a cable is expected to carry not more than 30% of its grouped rating, it may be ignored for the purpose of obtaining the rating factor for the rest of the group.

For example, a group of N loaded cables would normally require a group reduction factor of C_g applied to the tabulated I_t .

However, if M cables in the group carry loads which are not greater than $0.3 C_{hl}t$ amperes the other cables can be sized by using the group rating factor corresponding to $(N-M)$ cables.

| CORRECTION FACTORS FOR AMBIENT TEMPERATURE | | |
|--|-------------------------------|-------------------------------|
| AMBIENT TEMPERATURE | FUSE TO BS 88, BS 1361 OR MCB | SEMI-ENCLOSED FUSE TO BS 3036 |
| 25 | 1.03 | 1.03 |
| 30 | 1.0 | 1.0 |
| 35 | 0.93 | 0.96 |
| 40 | 0.85 | 0.93 |
| 45 | 0.77 | 0.89 |
| 50 | 0.67 | 0.86 |
| 55 | 0.57 | 0.79 |
| 60 | 0.45 | 0.62 |
| 65 | 0.31 | 0.42 |
| 70 | - | - |

