## **Installation Design Data**

No	SCHEDULE OF METHODS OF INSTALLATION OF CABLES				
1 Cables clipped direct to or lying on a non-metallic surface  CABLES EMBEDDED DIRECT IN BUILDING MATERIALS:  2 Cables embedded directly in masonry, plaster or the like(other than thermally) insulating materials  IN TRUNKING:  8 Cables in furunking on a wall or suspended in air  9 Cables in flush floor trunking  ON TRAYS:  11 Cables on a perforated cable tray, bunched and unenclosed. A perforated cable tray in considered as a tray in which the holes occupy at least 30% of the surface  CABLES IN BUILDING VOIDS:  15 Cables installed directly in a thermall insulating wall or above a thermal insulating celling structure, other than thermally insulating materials  16 Cables in ducts or voids formed by the building structure, other than thermally insulating materials  17 Method 1 Use current ratings from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.75 for cables in contact with thermal insulation on one side. For cables completely surrounded by the mall insulation multiply by 0.5  Use the current rating from Table on page 58 multiplied by the correction factor given below  1. when the cable diaDuct Dia	No		Examples		
Cables in flush floor trunking  Cables on a perforated cable tray, bunched and unenclosed. A perforated cable tray in considered as a tray in which the holes occupy at least 30% of the surface  Cables in studenting materials  Cables in studenting materials  IN TRUNKING:  Use current ratings from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 59 multiplied by 0.8  Use current rating from Table on page 59 multiplied by the appropriate correction factor occurrent in thermal insulating ceiling  Cables in ducts or voids formed by the building structure, other than thermally insulating materials  Cables in ducts or voids formed by the building materials  Use current rating from Table on page 58 multiplied by the correction factor occurrent in the page 59 multiplied by the correction factor page 59 multiplied by the correction factor page 58 multiplied by the correction factor occurrent in the page 58 multiplied by the correction factor given below  1. when the cable dia Duct Dia 5 or Duct Deriment multiply by 0.8  20  2. When the cable dia < Duct Dia 5 or Duct Perimenter multiply by 0.8	OPEN AND CLIPPED DIRECT:				
Cables embedded directly in masonry, plaster or the like(other than thermally) insulating materials  IN TRUNKING:    Use current ratings from Table on page 58 multiplied by 0.8	1	on a non-metallic		Use current ratings from Table	
in masonry, plaster or the like(other than thermally) linsulating materials    South	CABLES EMBEDDED DIRECT IN BUILDING MATERIALS:				
Son Trays:  11 Cables on a perforated cable tray, bunched and unenclosed. A perforated cable tray in which the holes occupy at least 30% of the surface  CABLES IN BUILDING VOIDS:  15 Cables installed directly in a thermally insulating ceiling structure, other than thermally insulating materials  16 Cables in ducts or voids formed by the building structure, other than thermally insulating materials  Use current rating from Table on page 59 multiplied by the appropriate correction factor  Use current rating from Table on page 59 multiplied by the appropriate correction factor  Use current rating from Table on page 59 multiplied by the appropriate correction factor  Use current rating from table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.8  Use current rating from Table on page 58 multiplied by 0.75 for cables in correction factor given below  1. when the cable dia — Duct Dia 5 or Duct Periment multiply by 0.8  20  2. When the cable dia < Duct Dia 5 or Duct Perimeter multiply by 0.8	2	in masonry, plaster or the like(other than thermally)		Use current ratings from Table	
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materials  or Duct periment multiply by 0.8  20  2. When the cable dia < Duct Dia  5  or Duct Perimeter multiply by	16	by the building structure, other than		page 58 multiplied by the correction factor given below	
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				or <u>Duct Perimeter</u> multiply by 20	