

## PVC INSULATED PVC SHEATHED TWIN FLAT CABLE (WITHOUT ECC) AS PER GENERALLY TO BS EN 50525-2-11

### APPLICATION

Flat twin cables without ECC are ideal for lighting circuits, low-power electronic devices, small household appliances, extension cords, and intercom systems where grounding is not required.

### CONSTRUCTION

|                                                     |                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Conductor:</b>                                   | Solid (Class 1) Annealed Plain Copper Conductor to EN 60228                                                    |
| <b>Insulation:</b>                                  | Extruded Polyvinyl Chloride (PVC) rated 105°C Compound                                                         |
| <b>Core Identification:</b>                         | Red & Black<br>Other colors are available upon request.                                                        |
| <b>Assembly:</b>                                    | The cores shall be laid parallel.                                                                              |
| <b>Outer Sheath:</b>                                | Extruded Polyvinyl Chloride (PVC) rated 105°C compound in Grey color. Other colors are available upon request. |
| <b>Printing Text on the Outer Sheath (Example):</b> | TEKAB CU/PVC/PVC 300/500V 2C X 1.5 MM2 H2-U 105°C YEAR OF MANUFACTURE MADE IN UAE LENGTH METER MARKING         |



### TECHNICAL DATA

|                               |                                                                           |
|-------------------------------|---------------------------------------------------------------------------|
| <b>Operating Temperature:</b> | During Normal Operation - 105°C<br>During Short Circuit Condition - 160°C |
| <b>Voltage Rating:</b>        | 300/500V                                                                  |
| <b>Flame Retardant:</b>       | IEC 60332-1-2 (upon request)                                              |

| SERIAL NO. | TEKAB CODE | NO. OF CORES X CONDUCTOR SIZE (NO. X Sq.mm.) | NO. OF STRANDS | NOMINAL INSULATION THICKNESS (mm) | NOMINAL OUTER SHEATH THICKNESS (mm) |
|------------|------------|----------------------------------------------|----------------|-----------------------------------|-------------------------------------|
| 1          | V8V8       | 2C X 0.75                                    | 1              | 0.6                               | 0.8                                 |
| 2          | V8V8       | 2C X 1                                       | 1              | 0.6                               | 0.8                                 |
| 3          | V8V8       | 2C X 1.5                                     | 1              | 0.7                               | 0.8                                 |
| 4          | V8V8       | 2C X 2.5                                     | 1              | 0.8                               | 0.9                                 |
| 5          | V8V8       | 2C X 4                                       | 1              | 0.8                               | 1.0                                 |