



# TECHNICAL DATA SHEET

## Rubber Cable AS PER IS 9968 (part-1) 1988

### *Types of Elastomeric Insulation and sheath:*

| Sr. no | Types of Insulation/ Sheath                                      | Type Reference | Max Rated Temp of Conductor |
|--------|------------------------------------------------------------------|----------------|-----------------------------|
| i)     | Insulation for General Service                                   | IE-1           | 60°C                        |
| ii)    | Heat Resisting insulation                                        |                |                             |
|        | a) suitable for voltage up to 1100V                              | IE-2           | 90°C                        |
|        | b) suitable for voltage above 1100V                              | IE-3           | 90°C                        |
|        | c) Oil resistant & Flame Retardant                               | IE-4           | 90°C                        |
| iii)   | Silicon Rubber Insulation                                        | IE-5           | 150°C                       |
| iv)    | Sheath for General Service                                       |                |                             |
|        | a) Normal duty                                                   | SE-1           | 60°C                        |
|        | b) Heavy Duty                                                    | SE-2           | 60°C                        |
| v)     | Heat Resisting, Oil resisting & Flame-retardant Elastomer sheath |                |                             |
|        | a) Normal duty                                                   | SE-3           | 90°C                        |
|        | b) Heavy Duty                                                    | SE-4           | 90°C                        |
| vi)    | Silicon Rubber sheath                                            | SE-5           | 150°C                       |

### *Dimension of Elastomer Insulated & sheathed Single core, Circular, Twin-core, three-core & Four core flexible cords*

| No. of Cross Selection Area No x mm <sup>2</sup> | Thickness of Ins. (Nom.) mm | Sheathing wall thickness, Nom. |                |                 |           | Overall Dia, Max. |                |                 |           |
|--------------------------------------------------|-----------------------------|--------------------------------|----------------|-----------------|-----------|-------------------|----------------|-----------------|-----------|
|                                                  |                             | Single core (mm)               | Twin core (mm) | Three core (mm) | Four core | Single core (mm)  | Twin core (mm) | Three core (mm) | Four core |
| 0.5                                              | 0.6                         | 0.8                            | 0.8            | 0.8             | 0.8       | 5.8               | 8.3            | 8.3             | 9.5       |
| 0.75                                             | 0.6                         | 0.8                            | 0.8            | 0.8             | 0.8       | 6.0               | 8.7            | 9.4             | 10.0      |
| 1.0                                              | 0.6                         | 0.9                            | 0.9            | 0.9             | 0.9       | 6.3               | 9.3            | 9.7             | 10.5      |
| 1.5                                              | 0.8                         | 1.0                            | 1.0            | 1.0             | 1.1       | 7.3               | 10.9           | 11.5            | 12.6      |
| 2.5                                              | 0.9                         | 1.1                            | 1.1            | 1.1             | 1.2       | 8.0               | 12.4           | 13.0            | 14.3      |
| 4.0                                              | 1.0                         | 1.2                            | 1.2            | 1.2             | 1.3       | 9.0               | 14.2           | 15.0            | 16.5      |

We are just a call away to answer all your queries!

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