


| Rep           | Component description  | Dia. mm   | Features  |
|---------------|--|---|---|
| 1             | <b><u>Conductor</u></b><br>Tinned annealed copper wire acc.to IEC60228 Cl.5  | 2.4   | <b><u>Standard</u></b><br>VDE0295, IEC60228 for conductor<br>DIN VDE 0250 Part 814 for cable thickness and test<br>IEC60811 for cable test<br>IEC60332-1 for flame retardant<br>VDE 0298 part 4 for current rating                                |
| 2             | <b><u>Insulation</u></b><br>Ethylene-propylene rubber(EPR)<br>3GI3 quality<br>Thickness  |   | <b><u>Electric Characteristic</u></b><br>conductor resistance <0.08170hm/km (at 20°C)<br>Nominal voltage is 0.6/1kV<br>Max. voltage is 0.7/1.2kV(AC)<br>Testing voltage is 4000V<br>Short circuit temperature 250°C                               |
| 3             | <b><u>Inner sheath</u></b><br>Rubber compound<br>GM1b quality  |   | <b><u>General Characteristic</u></b><br>Temperature range -20°C up to +80°C(flexing)<br>Flame retardant acc.to IEC60332-1<br>Cable weight 2700kg/km(approx.)<br>Minimum bending radius 160mm(flexing)<br>Nominal outer diameter 31.9(max. 34.1mm) |
| 4             | <b><u>Braid(Anti torsional element)</u></b><br>Textile braid   |   |   |
| 5             | <b><u>Outer sheath</u></b><br>Special rubber compound<br>at least 5GM3 quality<br>Oil resistance<br>Ozone resistance<br>Color is black |   |   |
| Document date |  | signature   | Revised number  |
| 12.March'14   |  |  | 0   |