

braided cable Specification



| Cross-sectional Area (mm ²) | | Conductor Structure (mm) | Insulation Thickness (mm) | Insulation Material | Average Sheath Thickness (mm) | Sheath Material |
|---|---|---|---------------------------|---------------------|-------------------------------|-------------------|
| 2 × 0.75mm ² | | 24/0.20 ± 0.004 (Bare Copper) | 0.6 | PVC | 0.1 | Polyamide (Nylon) |
| No. | Technical Requirements | Test Content | | | | |
| 1 | Cable Specification | H05V-K, 1 × 0.75 mm ² , 2 Cores | | | | |
| 2 | Rated Voltage | 300/500 V | | | | |
| 3 | Conductor Resistance | At 20 °C, the conductor resistance of 0.75 mm ² conductor shall not exceed 26 Ω/km | | | | |
| 4 | Voltage Withstand Test for Complete Cable | After immersing the complete cable in water at 20 ± 5 °C for 1 hour, apply 2000 V for | | | | |
| 5 | Voltage Withstand Test for Insulated Core | After immersing the insulated core in water at 20 ± 5 °C for 1 hour, apply 1500 V for 5 | | | | |
| 6 | Tensile Strength | Insulation: 10.0 N/mm ² ; Sheath: 10.0 N/mm ² | | | | |
| 7 | Elongation | Insulation: Min. 150%; Sheath: Min. 150% | | | | |
| 8 | Ageing Condition | Insulation: 80 °C, 168 hours; Sheath: 80 °C, 168 hours | | | | |
| 9 | Variation Rate Before and After Ageing | Insulation: Within ± 20%; Sheath: Within ± 20% | | | | |
| 10 | Insulation Colour | Blue / Brown / Green-yellow | | | | |
| 11 | Low Temperature Resistance | No cracking after exposure at -15 °C for 16 hours | | | | |
| 12 | Flame Retardancy | Single cable horizontal flame test | | | | |
| 13 | Marking Content | VDE H05V-K 1 × 0.75 mm ² 300/500 V, TX | | | | |