

# TÜV/CPR H1Z2Z2-K

**Approvals** CPR B2ca-s1a,d1,a1 (1008-CPR-MC 69266784 0001)  
TÜV EN50618:2014 H1Z2Z2-K 1 × 1.5mm<sup>2</sup>~35mm<sup>2</sup>



## TECHNICAL DATA

- Rated voltage: AC  $U_0/U$  1.0/1.0KV, DC 1.5KV
- Voltage test on completed cable: AC 6.5KV/5min, DC 15KV/5min
- Ambient temperature: -40°C~+90°C
- The expected period of use is 25 years (Ambient temperature: -40°C up to +90°C)
- The permitted short-circuit-temperature referring to a period of 5s is +200°C
- Pressure test at high temperature: EN50395
- Bending radius:  $\geq 4 \times D$  ( $D < 8\text{mm}$ )  $\geq 6 \times D$  ( $D \geq 8\text{mm}$ )
- Resistance against acid and alkaline solution: EN60811-404
- Ozone resistance: EN60811-403
- Ageing properties: EN60811-401
- Cold bending test: EN60811-504
- Weathering/UV-resistance: EN50618
- Test under fire condition: EN60332-1-2
- Damp heat test: EN60068-2-78

## THE STRUCTURE OF CABLE (Subject To The Latest Specifications)

| Cross section (mm <sup>2</sup> ) | Conductor construction (± n/mm ± 0.015) | Conductor stranded (± mm ± 0.02) | Insulation medium thickness (≥ mm) | Sheath medium thickness (≥ mm) | Cable OD (± mm ± 0.2) | Conductor Dc Resistance (Ω/Km) | Current carrying capacity AT 60° C(A) |
|----------------------------------|-----------------------------------------|----------------------------------|------------------------------------|--------------------------------|-----------------------|--------------------------------|---------------------------------------|
| 1.5                              | 22x0.285                                | 1.5                              | 0.7                                | 0.8                            | 4.6                   | 13.7                           | 24                                    |
| 2.5                              | 36x0.285                                | 2.0                              | 0.7                                | 0.8                            | 5.1                   | 8.21                           | 33                                    |
| 4                                | 56x0.285                                | 2.4                              | 0.7                                | 0.8                            | 5.5                   | 5.09                           | 44                                    |
| 6                                | 84x0.285                                | 3.0                              | 0.7                                | 0.8                            | 6.3                   | 3.39                           | 57                                    |
| 10                               | 80x0.39                                 | 4.0                              | 0.7                                | 0.8                            | 7.3                   | 1.95                           | 79                                    |
| 16                               | 120x0.39                                | 5.0                              | 0.7                                | 0.9                            | 9.0                   | 1.24                           | 107                                   |
| 25                               | 196x0.39                                | 6.3                              | 0.9                                | 1.0                            | 11.2                  | 0.795                          | 142                                   |
| 35                               | 276x0.39                                | 7.4                              | 0.9                                | 1.0                            | 12.4                  | 0.565                          | 176                                   |