

TÜV/CPR H1Z2Z2-K

Approvals CPR B2ca-s1a,d1,a1 (1008-CPR-MC 69266784 0001)
TÜV EN50618:2014 H1Z2Z2-K 1 × 1.5mm²~35mm²



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 ²)	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