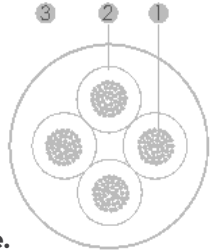


Power cable H05Z1Z1-F CPR Dca-s2,d2,a1



1. Electrolytic bare flexible copper conductor
2. Special halogen-free thermoplastic insulation, TI6, with enhanced fire resistance.
3. Special halogen-free thermoplastic outer sheath, TM7, with enhanced fire resistance.



APPLICATIONS



Suitable for all applications where a cable with a very small amount of halogens and, moreover, and having low emission of smoke and corrosive gases when exposed to fire, is required. They are suitable also for applications that undergo to medium mechanical stress (such as wiring of washing-machines, spin dryers, fridges and refrigerators).

Technical Data			
Temperature range	- 20 ÷ 70 °C @ fixed installation	Suitable for outdoor use	
Rated voltage	300 / 500 V _{AC}	Fire resistance	CPR class Dca-s2, d2, a1 DOP No. 0039
Test voltage	2000 V _{AC}	Bending radius	≥ 9 x D (@ fixed installation)
Short-circuit temperature	160 °C	Halogen-free	EN 50525-1, EN 50267-2-2,
Flame resistance	IEC 60332-1-2		EN 50267-2-1, EN 60884-2

Size conductor [mm ²]	Conductor stranding [N° x mm]	Electrical resistance [Ω / Km]	Diameter on insulation [mm]	Radial thickness of insulation [mm]
0.75	24 x 0.193	≤ 26.0	2.33 ± 0.1	≥ 0.60
1	32 x 0.193	≤ 19.5	2.47 ± 0.1	≥ 0.60
1.5	28 x 0.243	≤ 13.3	2.85 ± 0.1	≥ 0.70
2.5	48 x 0.243	≤ 7.98	3.6 ± 0.1	≥ 0.80
4	52 x 0.300	≤ 4.95	4.1 ± 0.1	≥ 0.80

Size conductor [mm ²]	Outer diameter [mm]	Thickness of jacket [mm]
2 x 0.75	6.2 ± 0.2	≥ 0.80
3 x 0.75	6.5 ± 0.2	≥ 0.80
4 x 0.75	7.1 ± 0.2	≥ 0.80
5 x 0.75	8.1 ± 0.2	≥ 0.90
2 x 1	6.5 ± 0.2	≥ 0.80
3 x 1	6.9 ± 0.2	≥ 0.80
4 x 1	7.8 ± 0.2	≥ 0.90
5 x 1	8.35 ± 0.2	≥ 0.90
2 x 1.5	7.3 ± 0.2	≥ 0.80
3 x 1.5	7.9 ± 0.2	≥ 0.90
4 x 1.5	9.0 ± 0.2	≥ 1.0
5 x 1.5	9.85 ± 0.2	≥ 1.1
2 x 2.5	9.3 ± 0.2	≥ 1.0
3 x 2.5	10.0 ± 0.2	≥ 1.1
4 x 2.5	10.75 ± 0.3	≥ 1.1
5 x 2.5	12.3 ± 0.3	≥ 1.2
2 x 4	10.6 ± 0.2	≥ 1.1
3 x 4	11.3 ± 0.2	≥ 1.2
4 x 4	12.4 ± 0.3	≥ 1.2
5 x 4	14.0 ± 0.3	≥ 1.4