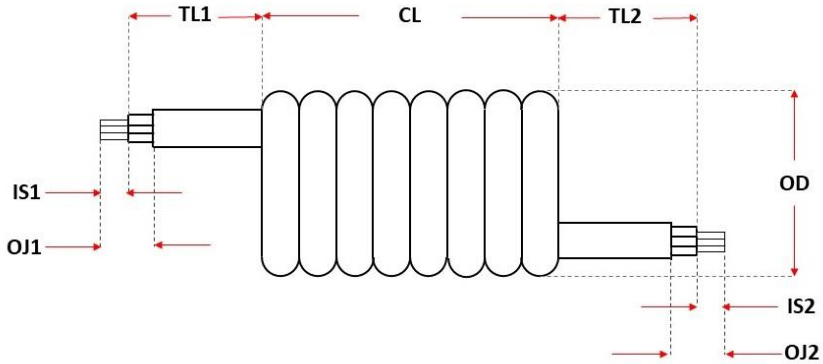
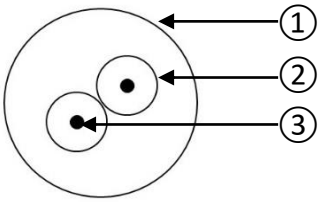
# TECHNICAL DATASHEET



## Coiled PVC HO5VVF Power Cable
## Product Range: *CPVC*




**Key:**
**CL** = Closed Length (mm)
**TL1** = Tail Length 1 (mm)
**TL2** = Tail Length 2 (mm)
**OD** = Closed Core Overall Diameter
**OJ1** = Outer Jacket Strip 1
**OJ2** = Outer Jacket Strip 2
**IS1** = Inner Strip 1
**IS2** = Inner Strip 2




## SCHEMATIC DRAWINGS

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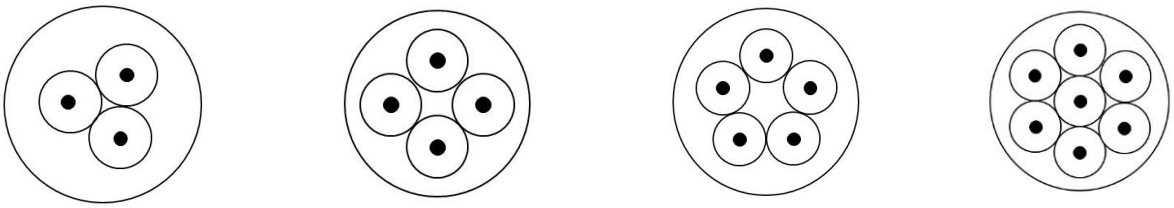
**Top:** Coiled Construction
**Left:** 2 Core Construction
**Bottom (left to right):** 3, 4, 5 and 7 core construction



## CABLE CONSTRUCTION

1. **Sheath:** PVC (Polyvinyl Chloride) Type TM2 according to BS EN 50363
2. **Insulation:** PVC Type TI2 according to BS EN 50363
3. **Conductor:** Class 5 flexible copper conductor according to BS EN 60228

## APPLICATIONS

This product is designed for use on machinery, power tools and domestic appliances trailer leads. Also suitable for hoist, lift and roller doors.





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| Characteristics | |
|---|---|
| **Voltage Rating ($U_o$/U):** | 300 / 500 $V_{ac}$ |
| **Temperature Rating:** | Flexed: +5 °C to +70 °C |
| **Minimum Bending Radius:** | Flexed: 8 x Overall Diameter |

| Conductors | | |
|---|---|---|
| Size Conductor [$mm^2$] | Conductor Stranding [Nº x mm] | Electrical Resistance [Ω/Km] |
| 0.75 | 24 x 0.21 | ≤ 26.0 |
| 1.00 | 32 x 0.21 | ≤ 19.5 |
| 1.50 | 29 x 0.26 | ≤ 13.3 |
| 2.50 | 48 x 0.26 | ≤ 7.98 |

| Dimensions | | | | | |
|---|---|---|---|---|---|
| Flexform Product Code | Size Conductor [$mm^2$] | Closed to Extended Ratio | Cable Outer Diameter [mm] | Thickness of Jacket [mm] | Coil Outer Diameter Average [mm] |
| CPVC-023 | 2 x 0.75 | 1000mm x 3 | 4.70 ± 0.2 | 0.3 | 20.0 |
| CPVC-033 | 3 x 0.75 | 1000mm x 3 | 5.50 ± 0.2 | 0.6 | 20.0 |
| CPVC-043 | 4 x 0.75 | 1000mm x 3 | 6.50 ± 0.2 | 0.6 | 24.0 |
| CPVC-053 | 5 x 0.75 | 1000mm x 3 | 9.30 ± 0.2 | 0.6 | 26.0 |
| CPVC-024 | 2 x 1.00 | 1000mm x 3 | 5.80 ± 0.2 | 0.6 | 23.0 |
| CPVC-034 | 3 x 1.00 | 1000mm x 3 | 6.40 ± 0.2 | 0.6 | 23.0 |
| CPVC-044 | 4 x 1.00 | 1000mm x 3 | 7.00 ± 0.2 | 0.6 | 27.0 |
| CPVC-054 | 5 x 1.00 | 1000mm x 3 | 10.0 ± 0.2 | 0.6 | 29.0 |
| CPVC-035 | 3 x 1.50 | 1000mm x 3 | 8.80 ± 0.2 | 0.7 | 30.0 |
| CPVC-045 | 4 x 1.50 | 1000mm x 3 | 9.00 ± 0.2 | 0.7 | 32.0 |
| CPVC-055 | 5 x 1.50 | 1000mm x 3 | 11.0 ± 0.2 | 0.7 | 33.0 |
| CPVC-036 | 3 x 2.50 | 1000mm x 3 | 9.70 ± 0.2 | 0.8 | 36.0 |
| CPVC-046 | 4 x 2.50 | 1000mm x 3 | 10.8 ± 0.2 | 0.8 | 38.0 |





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**Note:** Alternative sizes of cable are available up to 7 cores upon request. The closed length, tail lengths, and outer/inner jacket strip lengths can be made to bespoke requests.

| | |
|---|---|
| Cable Standards | EN 50525-2-11.<br>Low Voltage European Directive No. 2014/35/UE. |
| Stranding of Conductor | Class 5 flexible copper conductor conforming to BS/IEC 60228 standard. |
| Insulation | TI2 type PVC compound complying with EN 50363-3 standard. |
| Cable Assembly | The cores are twisted together. |
| Core Identification | In compliance with requirements of HD 308 S2 Standard.<br>**2 Core:** Brown Blue<br>**3 Core:** Brown Blue Green/Yellow<br>**4 Core:** Brown Blue Green/Yellow Grey<br>**5 Core:** Brown Blue Green/Yellow Grey Black |
| Outer Sheath | TM2 type PVC compound complying with EN 50363-3 standard. |
| Colour of Sheath | Black ● or White ○ |



*In order to improve our products, the information contained in this technical datasheet can be changed without notice. Please check periodically with our office, the date and issue number.*

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