



FLEXTEL 140 H05VV5-F

Flexible oil resistant control cable, for mobile use.

EN 50525-2-51

DESIGN

1. Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228 and IEC 60228.

2. Insulation

Flexible PVC.

The standard identification of insulated conductors is the following:

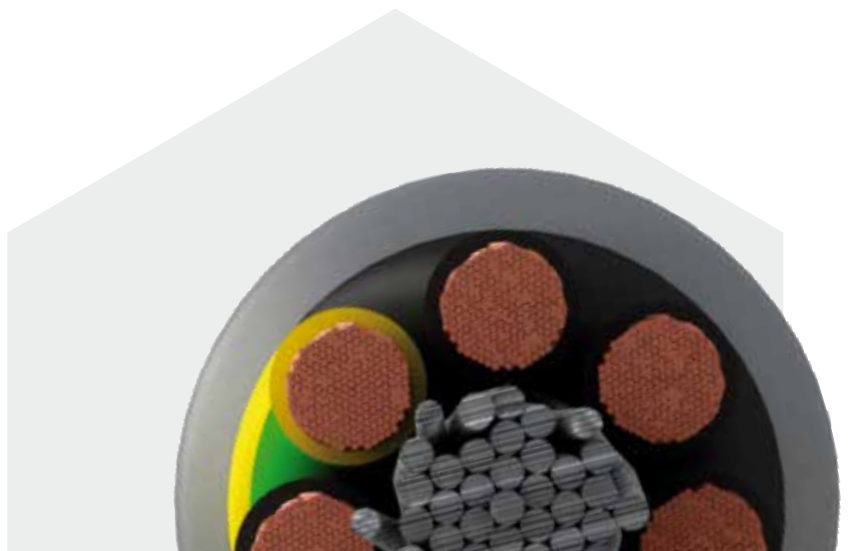
2 x	Black numbered
3 or more conductors	Black numbered + Green/yellow

3. Outer sheath

Flexible PVC oil resistant outer sheath, grey colour.

APPLICATIONS

Flexitel H05VV5-F is a cable for signalling and control systems. It is especially suitable for connecting industrial equipment and machine tools. Due to its properties, it is recommended for robotics and light mobile services. Its special vinilic outer sheath compound is particularly resistant to mineral oils and other chemical agents. It can be installed in either dry or humid environments.



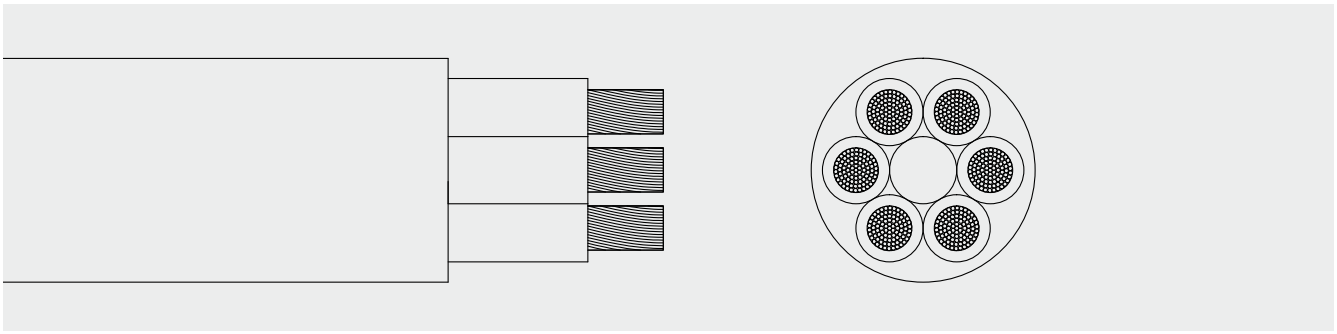
1

2

3

This cable render is an example from this product range and does not necessarily match the selected core size or number of cores.

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CHARACTERISTICS



Electrical performance

LOW VOLTAGE 300/500 V



Standard

EN 50525-2-51



Approvals

CE
HAR
AENOR
SASO
RoHS



Thermal performance

Maximum service temperature: 60°C.
Maximum short-circuit temperature: 150°C (max. 5 s).
Minimum service temperature: 5°C.



Fire performance

Flame non-propagation based on UNE-EN 60332-1 and IEC 60332-1.



Mechanical performance

Minimum bending radius: 3 x cable Ø (up to 12 mm²).
4 x cable Ø (12 mm² onwards).
Impact resistance: AG2 Medium severity.



Chemical performance

Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Good.



Water performance

Water resistance: AD5 Jets.



Other

Meter by meter marking.



Installation conditions

Open Air.
In conduit.



Applications

Industrial use.
Mobile use.
Robotics.

