

**Instrumentation cables IEC60227
G7 insulated, individual & overall screened,
PVC outer sheath**

**Type**

**FG7XHOHR 300/500V
G7/IS/OS/PVC 300/500V**

Conductor

Flexible red copper conductor according to IEC60228, with a cross section of 0,5sqmm 16X0,20.

Insulation

EPR G7 compound according to IEC60227

- Temperature range -40 + 70°C
- Temperature laying -5 + 70°C

Laying up

Core are twisted to pairs or triad

Identification cores :

- Blue, Black numbered for multipair

Pair screen

Each pair or triad will be shielded with aluminium/mylar tape, with copper drain wire 20AWG placed between the aluminium/myler tape and further myler tape.

The drain wire is layed up with the other conductors.

Overall screen

Over the multipair / triad layer will be shielded with aluminium/mylar tape, with copper drain wire 20 AWG placed between the aluminium/myler tape and further myler tape.

The drain wire is layed up with the other conductors.

Outer sheath

Polyvinylchloride extruded compound according to IEC60502 black colour

Marking

On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance

Flame retardant according to IEC60332.1

Technical data & Electrical properties at 20°C

| Description | Unit | Conductor size 0,5 sqmm |
|------------------------------|---------|----------------------------|
| Nominal insulation thickness | mm | 0,6 |
| Conductor resistance | ohm/km | 39 |
| Insulation resistance | Mohm/km | 500 |
| Test voltage Core to Core | V | 1.500 |
| Rated voltage | V | 300 / 300 |
| Minimum bending radius | mm | 12 |