

**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/mylar tape and further mylar 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/mylar tape and further mylar 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