

SENSITHERM S.r.l.

Instrumentation cables BS 5308 PART 1 as applicable
PE insulated, overall screened,
PE inner sheath,PVC outer sheath



Type

PE/OS/PE/PVC 300/500 V
FEOHER 300/500 V

Conductor

Flexible red copper conductor according to BS 5308, with a cross section of 1sqmm (32X0,20),
1,5sqmm (28X0,25).

Insulation

Polyethylene compound according to BS 5308 - Temperature range -40 + 70°C
- Temperature laying -5 + 70°C

Laying up

Core are twisted to pairs or triad
Identification cores :
- Black, White

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.

Bedding

Polyethylene compound thickness 1,00mm

Outer sheath

Polyvinylchloride extruded compound according to BS 5308 blue 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	
		1,5 sqmm	1 sqmm
Nominal insulation thickness	mm	0,7	0,6
Conductor resistance	ohm/km	13,3	19,5
Insulation resistance	Mohm/km	500	500
Test voltage Core to Core	V	2.000	2.000
Rated voltage	V	300 /500	300 /500
Minimum bending radius	mm	10	10