

Instrumentation cables BS 5308 Part 2 type 1
Multicores, PVC insulated, screened, PVC outer sheath



Type

PVC/OS/PVC 300/500 V

Conductor

Plain annealed copper conductor according to BS 6360.

- 0,50 mm² class 5 (16/0,2)
- 0,75 mm² class 5 (24/0,2)
- 1,5 mm² class 2 (7/0,53)

Insulation

PVC type TI1 according to BS 6746

Laying up

Cores twisted in concentric layers

Identification : All cores yellow and identified with both printed numbers and written word in black

Overall screen

Over the core 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

PVC type TM1 according to BS 6746, black

Marking

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

Performance

Reaction to fire - Flame propagation : Test of single cable acc. IEC 60332.1

Minimum bending radius

6 times overall diameter

Technical data & Electrical properties

Temperature rating : - during operation - 40 + 70°C

- during installation - 5 + 50°C

Conductor resistance : acc. to BS 6360

Insulation resistance : > 25 Mohm x Km

Mutual capacitance : < 250 nF/Km

L/R Ratio < 40 µH/Ohm

Test voltage - Core/core : 2.000 V

- Core screen : 1.000 V

Operating voltage max 500 V