

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



**Type**

**PVC/OS/PVC/SWA/PVC 300/500 V**

### **Conductor**

Plain annealed copper conductor according to BS 6360.

- 0,50 mm<sup>2</sup> class 5 (16/0,2)
- 0,75 mm<sup>2</sup> class 5 (24/0,2)
- 1,5 mm<sup>2</sup> 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/mylar tape and further mylar tape.

The drain wire is layed up with the other conductors.

### **Inner sheath**

PVC type TM1 according to BS 6746, black

### **Armour**

Galvanized steel wires according to BS 1442

### **Outer sheath**

PVC type TM1 according to BS 6746, black

### **Marking**

On the outer 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**

10 times overall diameter

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## **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