



# Caledonian

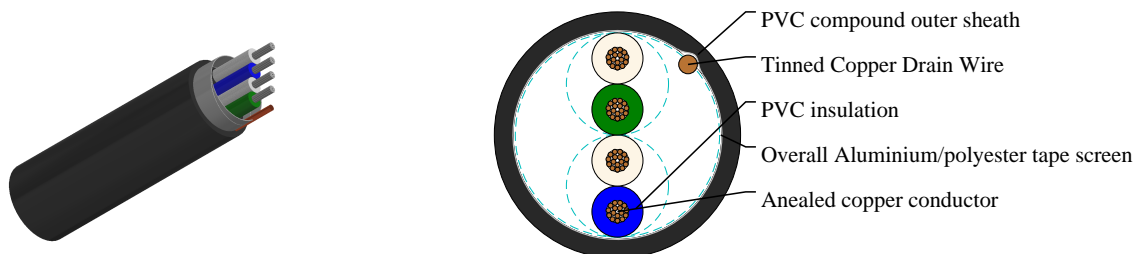
## BS 5308 Instrumentation Cables

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### BS5308 Cable Part 1 Type1 XLPE-OS-LSOH

RE-Y(ST)Y 2P0.5 MULTIPAIR



### APPLICATIONS

The unarmoured versions (Part 2 Type 1) are generally use for indoor installation and suitable for wet and damp areas. Generally used within industrial process manufacturing plants for communication, data and voice transmission signals and services, Also used for the interconnection of electrical equipment and instruments, typically in chemical or petrolchemical industry.

### CABLE CONSTRUCTION

Conductor :Annealed or tinned copper, sizes: 0.5mm<sup>2</sup> and 0.75mm<sup>2</sup> multistranded(Class 5), 1.5mm<sup>2</sup> multistranded(Class 2) to BS6360

Insulation :PVC (polyvinyl chloride), type TI1 to BS 6746

Pairing :Two insulated conductors uniformly twisted together with a lay not exceeding 100mm

Colour code :Multicore cables: up to 40 cores yellow with black numbers, 41 - 80 cores black with yellow numbers.

Multipair cables:See technical information

Binder tape P:ETP transparent tape

Collective screen:Aluminium/polyester tape is applied over the laid up pairs metallic side down in contact with tinned copper drain wire, 0.5mm<sup>2</sup>

Outer sheath: PVC Sheath, type TM 1 or type 6 to BS 6746

Sheath colour :Black or blue

### MECHANICAL PROPERTIES

Operating temperature: -20°C up to + 90°C( fixed installation)  
0°C to +50°C(during operation )

Minimum bending radius: 5 x overall diameter

### DIMENSION AND PARAMETERS

No. of Pairs	No. and Dia. of Wires	Nominal Conductor Cross-Sectional Area	Nominal Insulation Thickness	Nominal Sheath Thickness
	no./mm	mm <sup>2</sup>	mm	mm
2	16/0.2	0.5	0.6	0.8