



# Caledonian

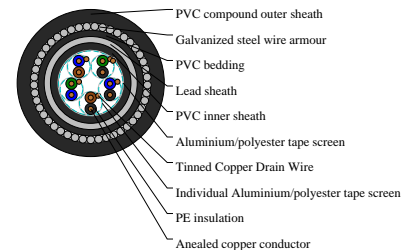
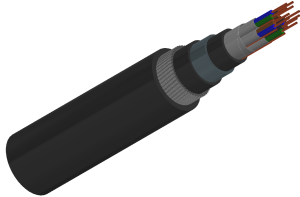
## BS 5308 Instrumentation Cables

www.caledonian-cables.co.uk

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### BS5308 Cable Part 1 Type 3 PE-IS-OS-Lead-SWA-PVC

RE-2Y(ST)Y PIMF MYSWAY 5P0.5



### APPLICATIONS

The armoured versions (Part 1 Type 3) are generally used when the risk of mechanical damage is increased. The galvanised steel wire armour provides excellent protection. 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 petroleum industry. They are well adapted to underground use in industrial applications, in moist areas, where chemical and mechanical protections are needed. The lead sheath brings an enhanced resistance to aromatic hydrocarbons.

### CABLE CONSTRUCTION

Conductor: Annealed or tinned copper, sizes: 0.5mm<sup>2</sup> and 0.75mm<sup>2</sup> multistranded(Class 5), 0.5 mm<sup>2</sup>, 1.0 mm<sup>2</sup> solid(Class 1), 1.5mm<sup>2</sup> or 2.5mm<sup>2</sup>, multistranded(Class 2) to BS6360

Insulation :PE (Polyethylene) type 03 to BS6234

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

Colour code :See technical information

Individual screen:Aluminium/polyester tape is applied over each pair metallic side down in contact with tinned copper drain wire, 0.5mm<sup>2</sup>

Binder tape :PETP 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>

Inner Sheath :PVC (polyvinyl chloride), type TM 1 or type 6 to BS 6746

Lead Sheath :Lead Alloy

Bedding :PVC (polyvinyl chloride),type TM 1 to BS 6746

Amour: Galvanized steel wire armour

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

Sheath: colour Black or blue

### MECHANICAL PROPERTIES

Operating temperature: -40°C up to + 70°C( fixed installation)  
0°C to +50°C(during operation )

Minimum bending radius: 15x overall diameter

### DIMENSION AND PARAMETERS



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No. of Pairs	No. and Dia. of Wires	Nominal Conductor Cross-Sectional Area	Nominal Insulation Thickness	Nominal Dia. over Bedding	Nominal Steel Wire Armour Diameter
	no./mm	mm <sup>2</sup>	mm	mm	mm
5	1/0.8	0.5	0.5	13.5	1.25