



Caledonian

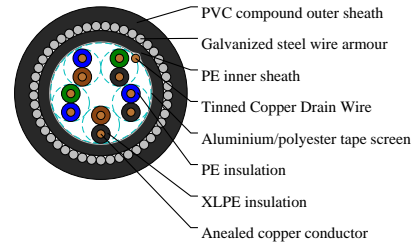
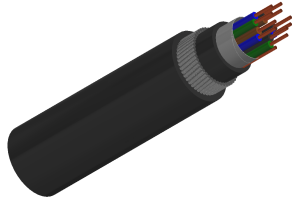
BS 5308 Instrumentation Cables

www.caledonian-cables.co.uk

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BS5308 Cable Part 1 Type 2 PE-OS-SWA-PVC

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



APPLICATIONS

The armored versions (Part 1 Type 2) 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. The armored versions are generally use for outdoor installation for direct burial or installed in the duct and suitable for wet and damp areas.

CABLE CONSTRUCTION

Conductor: Annealed or tinned copper, sizes: 0.5mm² and 0.75mm² multistranded(Class 5), 0.5 mm², 1.0 mm² solid(Class 1), 1.5mm² or 2.5mm², 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

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, 0.5mm²

Inner Sheath :PE (Polyethylene) type 2C or type 03 to BS6234

Amour: Galvanized steel wire armour

Outer sheath: PVC Sheath, type TM 1 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: 6 x overall diameter

DIMENSION AND PARAMETERS

No. of Pairs	No. and Dia. of Wires	Nominal Conductor Cross-Sectional Area	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Dia. over Bedding	Nominal Sheath Thickness	Nominal Steel Wire Armour Diameter
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	no./mm	mm ²	mm	mm	mm	mm	mm
5	1/0.8	0.5	0.5	1.1	10.9	1.4	0.9