

Ex Industries

Instrumentation cables to BS5308 Part 1 Type 2 Armored

Collective Screen, armored 300/500V

APPLICATION

These cables are designed to connect electrical instrument circuits and provide communication services in and around process plants (e.g. petrochemical industry etc). Suitable for direct buried applications.

Specifications

- In accordance with BS5308 Part 1.
- **Conductor:** Solid (Class 1), stranded (Class 2) or flexible (Class 5) copper conductors to BS6360
- **Insulation:** Polythene insulation Type 03 to BS6234
- **Pair Identification:** Pairs will be numbered, each pair containing 1 black and 1 blue core
- **Binder Tape:** p.e.t.p. tape 50% overlap
- **Collective Screen:** tinned copper drain wire(s) under and in contact with aluminum/p.e.t.p laminated tape applied metallic side down
- **Bedding:** polythene Type 2C or 03 to BS6234
- **Aarmor:** mild galvanized steel wires to BS EN10257-1.
- **Outer Sheath:** PVC out sheath Type TM.1 to BS7355. In addition, out sheath displays the following characteristics;
- Min. oxygen index 30%
- Max. HCL Emissions @ 800 degrees C 15%
- Flame retardant to BS4066 / IEC60332 Part 3 Category C (NMV1.5)
- **Voltage Rating:** 300/500V
- **Temp Rating:** 65 degrees C max conductor operating temperature

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Nom Cond. Area mmsq	Nom Cond. Stranding #/mm	No. of Pairs / Triples	Dia. Over Inner Sheath		Min OD mm	Max OD mm	Approx Weight
			Min	Max			
1.5	7/0 .53	1P	8.3	8.7	12.9	13.9	330
1.5	7/0 .53	2P	9.7	10.3	14.3	15.9	420
1.5	7/0 .53	5P	16.4	17.2	22.2	24.6	940
1.5	7/0 .53	10P	21.6	23.2	28.4	31.7	1500
1.5	7/0 .53	20P	28.5	31.1	35.7	38.1	2400
1.5	7/0 .53	1TR	8.9	9.8	13.5	14.8	350

Notes:

All dimensions must be verified at time of ordering.

Other sizes available upon request.

Minimum quantities may be required.