

Ex Industries

Instrumentation cables to BS5308 Part 1 Type 1 Unarmored

Collective Screen, Unarmored 300/500V

APPLICATION

These cables are designed to connect electrical instrument circuits and provide communication services for fixed applications in and around process plants (e.g. petrochemical industry etc). (Not suitable for direct burial 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:** See color core data sheet
- **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
- **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	Nom. OD mm + - 5%	Approx Weight
1.5	7/0 .53	1P	8.30	100
1.5	7/0 .53	2P / Quad	9.70	150
1.5	7/0 .53	5P	16.40	360
1.5	7/0 .53	10P	21.60	670
1.5	7/0 .53	20P	28.50	1230
1.5	7/0 .53	1TR	8.90	120

Notes:

All dimensions must be verified at time of ordering.

Other sizes available upon request.

Minimum quantities may be required.