

BS5308 PAS 5308 Part 2 Type 2 Instrumentation Cable

Designed to carry communication and control signals. BS 5308 cables are designed to form part of an intrinsically safe system.
Part 2 cables have an insulation of PVC.
Type 2 cables suitable for direct burial.
The PVC sheathing material has an OI above 30% and HCL below 15%
and the LSZH material is of type LTS3. Collectively and individually screened pairs are available within the range.

Construction

Conductor

Class 1 solid, Class 2 stranded or Class 5 copper conductor according to BS EN 60228 (previously to 6360)

Pairing

Two insulated conductors uniformly twisted together

Insulation

PVC (Polyvinyl Chloride) Type TM1 according to BS EN 50363

Shielding

AL/PET (Aluminium/Polyester Tape)

Drain Wire

Tinned copper

Bedding

PVC (Polyvinyl Chloride) Type TM1 according to BS EN 50363

Armour

Galvanized SWA (Steel Wire Armour)

Sheath

PVC (Polyvinyl Chloride) Type TM1 according to BS EN 50363

Voltage Rating (Uo/U)

300/500V

Temperature Rating

Fixed: -30°C to +75°C

Minimum Bending Radius

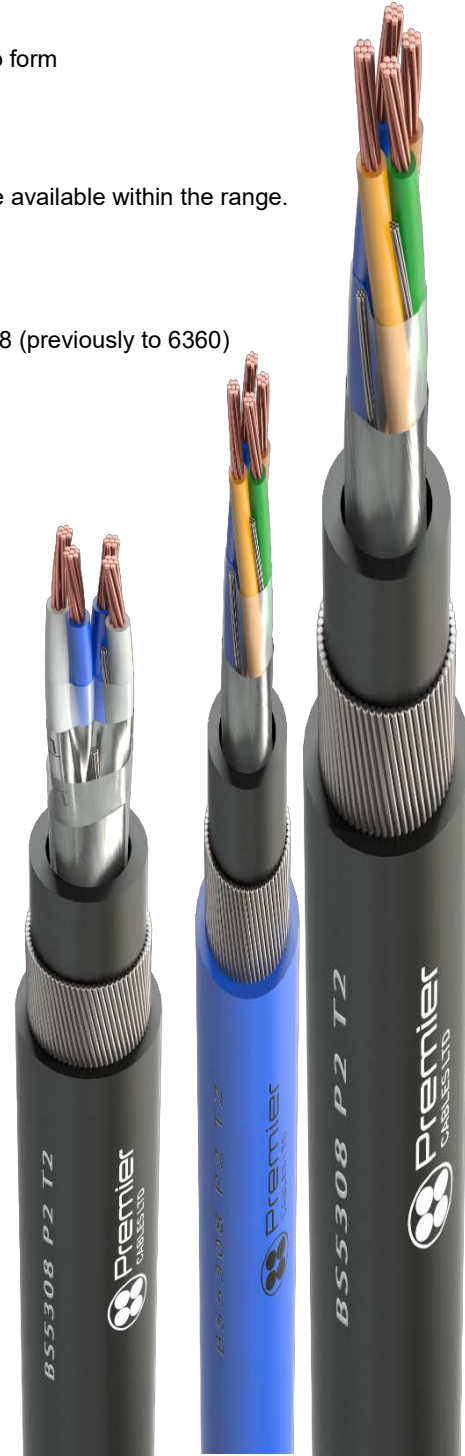
Fixed: 18 x overall diameter

Sheath Colour

Blue Black

CABLE STANDARDS

BS/PAS 5308, BS EN 60228, BS 6234, BS EN 50363,
BS EN/IEC 60332-1, BS EN/IEC 60332-3-24



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Collective screen

| NO. OF PAIRS/TRIPLE | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL DIAMETER Mm |
|------------------------|--|---------------------------|
| 1 pair | 0.5 | 11.4 |
| 1 pair | 0.75 | 11.8 |
| 1 pair | 1 | 11.8 |
| 1 pair | 1.5 | 12.9 |
| 1 pair | 2.5 | 13.7 |
| | | |
| 2 pair | 0.5 | 12.3 |
| 2 pair | 0.75 | 13 |
| 2 pair | 1 | 13.1 |
| 2 pair | 1.5 | 14.3 |
| 2 pair | 2.5 | 15.2 |
| | | |
| 1 triple | 0.5 | 11.7 |
| 1 triple | 0.75 | 12.1 |
| 1 triple | 1 | 12.2 |
| 1 triple | 1.5 | 13.4 |
| 1 triple | 2.5 | 14.3 |
| | | |
| 5 pair | 0.5 | 17.9 |
| 5 pair | 0.75 | 19.3 |
| 5 pair | 1 | 19.6 |
| 5 pair | 1.5 | 22.1 |
| 5 pair | 2.5 | 24.2 |



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Collective screen

| NO. OF PAIRS/TRIPLE | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL DIAMETER Mm |
|------------------------|--|---------------------------|
| 10 pair | 0.5 | 22.9 |
| 10 pair | 0.75 | 24.3 |
| 10 pair | 1 | 25.5 |
| 10 pair | 1.5 | 28.4 |
| 10 pair | 2.5 | 32.1 |
| 20 pair | 0.5 | 29.1 |
| 20 pair | 0.75 | 31.6 |
| 20 pair | 1 | 31.7 |
| 20 pair | 1.5 | 35.7 |
| 20 pair | 2.5 | 41 |



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Individual & Collective screen

| NO. OF PAIRS/TRIPLE | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL DIAMETER Mm |
|------------------------|--|---------------------------|
| 2 pair | 0.5 | 15.3 |
| 2 pair | 0.75 | 15.9 |
| 2 pair | 1 | 16 |
| 2 pair | 1.5 | 18.6 |
| 2 pair | 2.5 | 20 |
| | | |
| 5 pair | 0.5 | 19.1 |
| 5 pair | 0.75 | 20 |
| 5 pair | 1 | 20 |
| 5 pair | 1.5 | 22.5 |
| 5 pair | 2.5 | 25.5 |
| | | |
| 10 pair | 0.5 | 25.6 |
| 10 pair | 0.75 | 27 |
| 10 pair | 1 | 27 |
| 10 pair | 1.5 | 30.7 |
| 10 pair | 2.5 | 33.9 |
| | | |
| 20 pair | 0.5 | 31.6 |
| 20 pair | 0.75 | 33.8 |
| 20 pair | 1 | 33.96 |
| 20 pair | 1.5 | 39.3 |
| 20 pair | 2.5 | 43.7 |



Pair colour code

| Pair No: | A wire | B wire |
|----------|------------|--------|
| 1 | White | Blue |
| 2 | White | Orange |
| 3 | White | Green |
| 4 | White | Brown |
| 5 | White | Grey |
| 6 | Red | Blue |
| 7 | Red | Orange |
| 8 | Red | Green |
| 9 | Red | Brown |
| 10 | Red | Grey |
| 11 | Black | Blue |
| 12 | Black | Orange |
| 13 | Black | Green |
| 14 | Black | Brown |
| 15 | Black | Grey |
| 16 | Yellow | Blue |
| 17 | Yellow | Orange |
| 18 | Yellow | Green |
| 19 | Yellow | Brown |
| 20 | Yellow | Grey |
| 21 | White/Blue | Blue |
| 22 | White/Blue | Orange |
| 23 | White/Blue | Green |
| 24 | White/Blue | Brown |
| 25 | White/Blue | Grey |
| 26 | Red/Blue | Blue |
| 27 | Red/Blue | Orange |
| 28 | Red/Blue | Green |
| 29 | Red/Blue | Brown |
| 30 | Red/Blue | Grey |

The information contained within this data sheet is for guidance only. Cable and gland sizes are nominal and may vary according to different manufacturer's tolerances. Every possible effort is made to ensure that the information contained in this data sheet is correct. However, we reserve the right to change the information or specification at any time in the light of technical developments or revisions. References to or extracts from British Standards, current IEE regulations or other regulatory bodies should be verified with these organisations.