



# PAS5308 Pt1 Ty1 ICAT LSOH (BS5308)

Individual & Collective Screened Non-Armoured Instrumentation Cable



## DESCRIPTION

**Conductor:** Plain annealed Cu, **Insulation:** (XL)PE (Part 1) insulation, Each pair individually screened with aluminium mylar foil tape complete with 0.5sqmm drain wire, **Metallic Screen:** Collective aluminium Mylar foil tape screen complete with 0.5sqmm drain wire, **Sheath:** LSOH sheathed, **Sheath Colour:** Black or Blue

## APPLICATION

Publicly Available Specification PAS5308 is the replacement standard for the previous BS5308 range of cables. Primarily used for instrumentation and communication systems in the oil, gas & petro-chemical industry, building management systems, power generators and waste water treatment plants.

## TECHNICAL DATA

**Voltage Grade:** 300/500v

**Temperature Range:** -20°C to +65°C  
(Minimum Installation Temp 0°C)

**Minimum Bending Radius:** 6xOD  
(may vary depending on factory of origin)

**Approvals:** PAS5308 (formerly BS5308),  
IEC60332-3-22

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| No. of Pairs | Size            | Stranding | Approx. OD | Weight |
|--------------|-----------------|-----------|------------|--------|
|              | mm <sup>2</sup> | mm        | mm         | Kg/Km  |
| 2            | 0.5             | 16/0.2    | 11.4       | 135    |
| 5            | 0.5             | 16/0.2    | 13.5       | 225    |
| 10           | 0.5             | 16/0.2    | 21.3       | 410    |
| 20           | 0.5             | 16/0.2    | 26.6       | 655    |
| 2            | 0.75            | 24/0.2    | 12.1       | 185    |
| 5            | 0.75            | 24/0.2    | 15.7       | 305    |
| 10           | 0.75            | 24/0.2    | 22.1       | 495    |
| 20           | 0.75            | 24/0.2    | 29.2       | 900    |
| 30           | 0.75            | 24/0.2    | 35.0       | 1275   |
| 50           | 0.75            | 24/0.2    | 44.4       | 2055   |
| 2            | 1.5             | 7/0.53    | 13.9       | 225    |
| 5            | 1.5             | 7/0.53    | 18.1       | 390    |
| 10           | 1.5             | 7/0.53    | 25.8       | 665    |
| 20           | 1.5             | 7/0.53    | 33.9       | 1195   |

ALL FIGURES QUOTED ARE APPROXIMATE

| Core ID Type 1              |        |        |                           |        |        |      |        |        |      |        |           |
|-----------------------------|--------|--------|---------------------------|--------|--------|------|--------|--------|------|--------|-----------|
| Pair                        | A Wire | B Wire | Pair                      | A Wire | B Wire | Pair | A Wire | B Wire | Pair | A Wire | B Wire    |
| 1                           | Black  | Blue   | 14                        | Brown  | Red    | 27   | Red    | Yellow | 40   | Brown  | Violet    |
| 2*                          | Black  | Green  | 15                        | White  | Red    | 28   | Orange | Yellow | 41   | White  | Violet    |
| 3                           | Blue   | Green  | 16                        | Black  | Orange | 29   | Black  | Grey   | 42   | Red    | Violet    |
| 4                           | Black  | Brown  | 17                        | Blue   | Orange | 30   | Blue   | Grey   | 43   | Orange | Violet    |
| 5                           | Blue   | Brown  | 18                        | Green  | Orange | 31   | Green  | Grey   | 44   | Yellow | Violet    |
| 6                           | Green  | Brown  | 19                        | Brown  | Orange | 32   | Brown  | Grey   | 45   | Grey   | Violet    |
| 7                           | Black  | White  | 20                        | White  | Orange | 33   | White  | Grey   | 46   | Black  | Turquoise |
| 8                           | Blue   | White  | 21                        | Red    | Orange | 34   | Red    | Grey   | 47   | Blue   | Turquoise |
| 9                           | Green  | White  | 22                        | Black  | Yellow | 35   | Orange | Grey   | 48   | Green  | Turquoise |
| 10                          | Brown  | White  | 23                        | Blue   | Yellow | 36   | Yellow | Grey   | 49   | Brown  | Turquoise |
| 11                          | Black  | Red    | 24                        | Green  | Yellow | 37   | Black  | Violet | 50   | White  | Turquoise |
| 12                          | Blue   | Red    | 25                        | Brown  | Yellow | 38   | Blue   | Violet |      |        |           |
| 13                          | Green  | Red    | 26                        | White  | Yellow | 39   | Green  | Violet |      |        |           |
| Individually Screened Pairs |        |        | Black/Blue numbered pairs |        |        |      |        |        |      |        |           |
| * 2pr laid up as 1 quad     |        |        | Black, Blue, Green, Brown |        |        |      |        |        |      |        |           |

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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