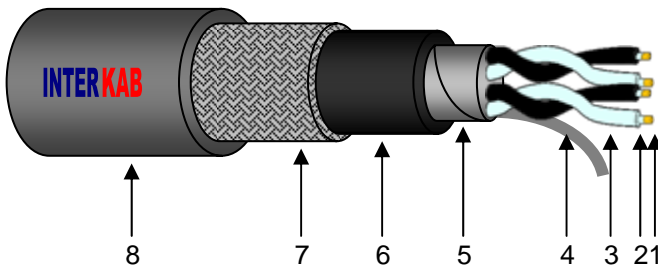


150 / 250v
Fire Resistant

Offshore Instrumentation Cables to BS6883 Specification

Pairs/Triples/Quads Armoured Cables – Collectively Screened



Applicable Standards:
 BS 6883 / BS7917 / IEC 60092-359
 BS7655
 IEC 60331 part 3 (Category A, B & C)
 IEC-60228
 Stranded class 2 or flexible class 5
 tinned annealed copper conductors to
 BS6360

| | |
|----------------------------------|---|
| Application: | This range of cables is designed for use in fixed wiring in ships and offshore units, e.g. safety and emergency lighting, fire pumps, shut down systems, communication systems, gas detectors, and alarms. These cables are ideal for occupied areas including accommodation facilities, control rooms and computer suites. |
| (1) Conductor: | Tinned Stranded Copper Conductor to BS6360 |
| (2) Fire Protection: | MICA Glass Fibre Tape |
| (3) Insulation : | EPR Complying with BS7655 GP4 |
| (4) Drain Wire: | Tinned Copper drain wire |
| Individual Screen: | Collectively Screened only |
| (5) Collective Screen: | Aluminium Mylar Tape Screen |
| (6) Bedding: | EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UKOOA type GL/GN) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type FL/FN) |
| (7) Armour: | Galvanised Steel Wire Braid to BS EN 10257-1 |
| (8) Outer Sheath: | EVA - SW4 Thermo set Rubber Compound Complying with BS7655 (UKOOA type GL/GN) OR CSP - SW2 Thermo set Rubber Compound Complying with BS7655 (UKOOA type FL/FN) |
| Conductor Identification: | Single Pair: White & Black Multi-Pair: Numbered White & Black Pairs Triples: White, Black and Red Numbered Triples |

The legend will include the manufacturers name, voltage, BS6883, the number of pairs/triples and cross sectional area, cable sheath class (e.g. SW4), IEC60331 and UKOOA code where applicable. The standard sheath colours are grey, blue or black, and other colours are available on request.

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| Cable | 2x2x0.75 | 3x2x0.75 | 7x2x0.75 | 12x2x0.75 | 20x2x0.75 | 3x3x0.75 | 7x3x0.75 | 12x3x0.75 | 1x2x1.0 | 1x3x1.0 | 1x4x1.0 |
|---|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Stranding mm | 24/0.20 | 24/0.20 | 24/0.20 | 24/0.20 | 24/0.20 | 24/0.20 | 24/0.20 | 24/0.20 | 32/0.20 | 32/0.20 | 32/0.20 |
| Insulation Thickness mm | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Thickness of Inner Sheath mm | 1.2 | 1.2 | 1.4 | 1.6 | 1.8 | 1.3 | 1.5 | 1.8 | 1.0 | 1.0 | 1.1 |
| Diameter over Inner Sheath (min/max) mm | 11.9/13.9 | 12.2/14.9 | 16.1/18.9 | 20.8/24.4 | 27.7/31.3 | 14.8/16.8 | 19.7/21.7 | 27.1/29.1 | 8.8/10.8 | 9.0/11.0 | 10.3/12.3 |
| Diameter of Armour/Braid mm | 0.3 | 0.3 | 0.3 | 0.3 | 0.45 | 0.3 | 0.3 | 0.45 | 0.3 | 0.3 | 0.3 |
| Diameter over Armour/Braid mm | 14.5 | 14.8 | 18.7 | 24.0 | 31.5 | 16.8 | 21.7 | 29.4 | - | - | - |
| Thickness of Outer Sheath mm | 1.2 | 1.4 | 1.5 | 1.7 | 2.0 | 1.5 | 1.7 | 2.0 | 1.0 | 1.0 | 1.2 |
| Overall Diameter (min/max) mm | 16.1/18.1 | 16.4/19.2 | 20.2/23.8 | 25.9/29.3 | 33.2/37.4 | 18.8/21.2 | 23.8/26.8 | 31.6/35.6 | 13.0/15.0 | 13.3/15.3 | 14.3/16.3 |
| Gland Size | A | A | B | C | C2 | B | C | C2 | O | O | A |
| Weight kg/km | 390 | 520 | 780 | 1150 | 1900 | 520 | 870 | 1500 | 180 | 300 | 430 |
| Bend Radius - xOD | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Conductor Temperature - °C | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| Short Circuit Rating, 1second – 250°C - A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Inductance/ Resistance – mH/W | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Capacitance – nF/KM | <110 | <90 | <90 | <90 | <90 | <90 | <90 | <90 | <140 | <110 | <110 |
| DC Resistance @ 20°C – OHMS/km | 25.3 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 26.7 | 18.6 | 18.6 | 18.6 |
| DC Resistance @ 85°C – OHMS/km | 32.3 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 23.7 | 23.7 | 23.7 |
| Sheath Colour | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue |
| UKOOA Codes (EVA) | GLX00 (Blue) GNX00 (Grey) | GLH00 (Blue) GNH00 (Grey) | GLJ00 (Blue) GNJ00 (Grey) | GLK00 (Blue) GNK00 (Grey) | GLL00 (Blue) GNL00 (Grey) | GLS00 (Blue) GNS00 (Grey) | GLT00 (Blue) GNT00 (Grey) | GLU00 (Blue) GNU00 (Grey) | GLF01 (Blue) GNF01 (Grey) | GLR01 (Blue) GNR01 (Grey) | GLX01 (Blue) GNX01 (Grey) |
| UKOOA Codes (CSP) | FLX00 (Blue) FNX00 (Grey) | FLH00 (Blue) FNH00 (Grey) | FLJ00 (Blue) FNJ00 (Grey) | FLK00 (Blue) FNK00 (Grey) | FLL00 (Blue) FNL00 (Grey) | FLS00 (Blue) FNS00 (Grey) | FLT00 (Blue) FNT00 (Grey) | FLU00 (Blue) FNU00 (Grey) | FLF01 (Blue) FNF01 (Grey) | FLR01 (Blue) FNR01 (Grey) | FLX01 (Blue) FNX01 (Grey) |

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Pairs/Triples/Quads Armoured Cables – Collectively Screened

| Cable | 1x2x1.5 | 2x2x1.5 | 3x2x1.5 | 5x2x1.5 | 7x2x1.5 | 10x2x1.5 | 12x2x1.5 | 24x2x1.5 | 3x3x1.5 | 5x3x1.5 | 7x3x1.5 | 12x3x1.5 |
|---|------------------------------|------------------------------|------------------------------|-----------|------------------------------|-----------|------------------------------|-----------|------------------------------|-----------|------------------------------|------------------------------|
| Stranding mm | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 | 7/0.53 |
| Insulation Thickness mm | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Thickness of Inner Sheath mm | 1.2 | 1.2 | 1.3 | 1.4 | 1.4 | 1.7 | 1.7 | 2.0 | 1.3 | 1.5 | 1.5 | 1.8 |
| Diameter over Inner Sheath (min/max) mm | 9.6/10.8 | 14.3/15.5 | 15.8/17.4 | 19.3/21.1 | 21.0/23.0 | 26.8/29.0 | 27.7/29.9 | 39.0/42.0 | 19.8/21.8 | 20.7/22.7 | 26.7/28.8 | 36.2/39.0 |
| Diameter of Armour/Braid mm | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.45 | 0.45 | 0.3 | 0.3 | 0.3 | 0.3 |
| Thickness of Outer Sheath mm | 1.3 | 1.4 | 1.4 | 1.6 | 1.6 | 1.9 | 1.9 | 2.2 | 1.3 | 1.5 | 1.5 | 1.8 |
| Overall Diameter (min/max) mm | 13.6/15.2 | 18.4/20.0 | 20.1/26.6 | 24.0/30.5 | 25.7/32.6 | 32.0/39.2 | 33.7/40.8 | 45.8/49.7 | 24.3/31.0 | 26.5/28.5 | 31.5/38.7 | 42.4/50.1 |
| Gland Size | O | A | C | C | C | C2 | C2 | D | C | C | C2 | D |
| Weight kg/km | 320 | 600 | 771 | 1045 | 1189 | 1678 | 1869 | 3225 | 979 | 1287 | 1594 | 2647 |
| Bend Radius - xOD | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Conductor Temperature - °C | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| Inductance/Resistance – mH/W | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 |
| Capacitance – nF/KM | <110 | <110 | <110 | <110 | <110 | <110 | <110 | <110 | <110 | <110 | <110 | <110 |
| DC Resistance @ 20°C – OHMS/km | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 |
| DC Resistance @ 85°C – OHMS/km | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 | 15.9 |
| Sheath Colour | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue | Grey/Blue |
| UKOOA Codes (EVA) | GLF02 (Blue) GNF02 (Grey) | GLX02 (Blue) GNX02 (Grey) | GLH02 (Blue) GNH02 (Grey) | - | GLJ02 (Blue) GNJ02 (Grey) | - | GLK02 (Blue) GNK02 (Grey) | - | GLS02 (Blue) GNS02 (Grey) | - | GLT02 (Blue) GNT02 (Grey) | GLU02 (Blue) GNU02 (Grey) |
| UKOOA Codes (CSP) | FLF02 (Blue) FNF02 (Grey) | FLX02 (Blue) FNX02 (Grey) | FLH02 (Blue) FNH02 (Grey) | - | FLJ02 (Blue) FNJ02 (Grey) | - | FLK02 (Blue) FNK02 (Grey) | - | FLS02 (Blue) FNS02 (Grey) | - | FLT02 (Blue) FNT02 (Grey) | FLU02 (Blue) FNU02 (Grey) |