

## BO SHIP SINGLE CORE 90°C

CU/XLPE 150/250V ... 06/1KV

IEC 60092-376

Image for illustration only

|                                                 |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conductor:</b>                               | Tinned copper (optional bare copper) class 5 according to IEC 60228                                                                                                                                                                                                                 |
| <b>Insulation:</b>                              | HF XLPE compound according to IEC 60092-360 Thickness according to IEC 60092-353 and to IEC 60092-376                                                                                                                                                                               |
| <b>Colour Code:</b>                             | 1 core: black<br>2 cores: brown, blue<br>3 cores: black, grey, brown or (blue, brown, green/yellow)<br>4 cores: brown, black, grey, blue or green/yellow<br>5 cores: blue, brown, black, grey, black or green/yellow<br>From 5 cores: black numbered (with or without green/yellow) |
| <b>Cable Printing:</b>                          | Standard... 0,5 – 0,75mm² 150/250V up to 1mm² 0,6/1 kV 90°C (cross-section) – IEC 60092-353 - IEC 60332-1.2 – traceability code                                                                                                                                                     |
| <b>Technical Data &amp; Standard References</b> | <b>Single wire cables for switchboard panels and internal wiring</b>                                                                                                                                                                                                                |
|                                                 | <b>Marine Type Approvals</b><br>DNV, RINA                                                                                                                                                                                                                                           |
|                                                 | <b>Minimum bending radius</b><br>(according to IEC 60092-352 table 4): 4D for cables having overall diameter not above 25 mm 6D for cables having overall diameter above 25 mm with D the overall diameter                                                                          |
|                                                 | <b>Fire Behaviour</b><br>IEC 60332-1-2 not flame propagation<br>IEC 60754-1 halogen content<br>IEC 60754-2 pH and conductivity<br>IEC 60684-2 fluorine content<br>IEC 61034-1 and 61034-2 smoke emission                                                                            |

## TECHNICAL DATA AND PRODUCT FEATURES

|                                                                                   |                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>TEMPERATURE RANGE</b><br>+90°C (at conductor)                                                                                                                                        |
|  | <b>WORKING VOLTAGE</b><br>150/250V for cross-section 0,50mm <sup>2</sup> and 0,75mm <sup>2</sup> / 600/1000V for cross-section up to 1mm <sup>2</sup>                                   |
|  | <b>HALOGEN FREE</b><br>IEC 60754-1                                                                                                                                                      |
|  | <b>FLAME RESISTANCE</b><br>IEC 60332-1-2 not flame propagation                                                                                                                          |
|  | <b>APPROVALS</b><br>  |

**Application:** Single wire cables for switchboard panels and internal wiring

| Botec P/N | Cores x size<br>mm <sup>2</sup> | Approx. outer diam. mm | Cable weight kg/km |  |
|-----------|---------------------------------|------------------------|--------------------|--|
|           | 1X0,5                           | 2,30                   | 10                 |  |
|           | 1X0,75                          | 2,50                   | 13                 |  |
|           | 1X1                             | 2,70                   | 16                 |  |
|           | 1X1,5                           | 3,00                   | 22                 |  |
|           | 1X2,5                           | 3,40                   | 33                 |  |
|           | 1X4                             | 4,00                   | 50                 |  |
|           | 1X6                             | 4,40                   | 60                 |  |
|           | 1X10                            | 5,40                   | 115                |  |
|           | 1X16                            | 6,40                   | 175                |  |
|           | 1X25                            | 8,30                   | 270                |  |
|           | 1X35                            | 9,60                   | 370                |  |
|           | 1X50                            | 11,20                  | 530                |  |
|           | 1X70                            | 13,00                  | 730                |  |
|           | 1X95                            | 15,20                  | 985                |  |
|           | 1X120                           | 16,70                  | 1250               |  |
|           | 1X150                           | 18,80                  | 1560               |  |
|           | 1X185                           | 21,20                  | 1930               |  |
|           | 1X240                           | 24,00                  | 3060               |  |
|           | 1X300                           | 27,00                  | 3110               |  |
|           |                                 |                        |                    |  |