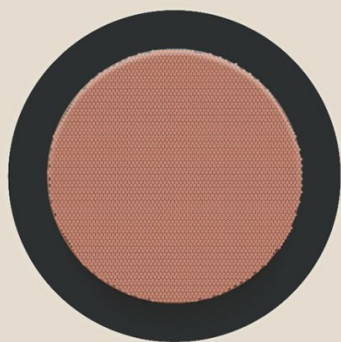


UP

IX Shipboard & Offshore  
Switchboard/Panel Wire0.6/1kV 110°C O<sup>2</sup> >32. HCL >0.5%

## Typical Applications

Flexible Single Insulated Power Cables suitable for all shipboard and marine applications.



## Colours

Full range of colours available



## Construction

**Conductors** Finely stranded annealed copper to IEC 60228 & AS/NZS 1125 as standard. Available in plain or tinned.**Core Insulation** 'Easy Strip' LSZH/XLPO HF-90 to IEC 60092-360

## Operating Temp

-40°C to +110°C

## Voltage Rating

600/1000 Volts

## Standards

IEC 60228  
IEC 60092-350  
IEC 60092-353  
IEC 60332-1  
IEC 60332-3-22 Cat A  
IEC 60754-1&2  
IEC 61034-1&2  
IEEE 45  
IEEE 1580  
IEEE 1202  
AS/NZS 1125  
AS/NZS 1660.5.1  
AS/NZS 1660.5.2  
AS/NZS 1660.5.3  
AS/NZS 1660.5.6

## Approvals

ABS, BV, DNV-GL, USCG

| Size<br><i>mm<sup>2</sup></i> | Min. Bend<br>Radius <i>mm</i> | Nom. Cond.<br>OD <i>mm</i> | Nom. Cable<br>OD <i>mm</i> | Current Rating<br><i>amp</i> | Approx. Wt.<br><i>kg/km</i> |
|-------------------------------|-------------------------------|----------------------------|----------------------------|------------------------------|-----------------------------|
| 1c1                           | 6.9                           | 1.2                        | 2.7                        | 18                           | 14                          |
| 1c1.5                         | 7.5                           | 1.5                        | 2.9                        | 23                           | 19                          |
| 1c2.5                         | 8.8                           | 2.0                        | 3.5                        | 30                           | 31                          |
| 1c4                           | 9.9                           | 2.4                        | 3.9                        | 40                           | 42                          |
| 1c6                           | 11.3                          | 3.0                        | 4.4                        | 52                           | 57                          |
| 1c10                          | 13.8                          | 4.0                        | 5.4                        | 72                           | 94                          |
| 1c16                          | 16.3                          | 5.0                        | 6.4                        | 96                           | 144                         |
| 1c25                          | 20.5                          | 6.2                        | 8.1                        | 127                          | 228                         |
| 1c35                          | 23.5                          | 7.4                        | 9.2                        | 157                          | 314                         |
| 1c50                          | 27.6                          | 8.8                        | 10.8                       | 196                          | 444                         |
| 1c70                          | 32.8                          | 10.6                       | 12.8                       | 242                          | 644                         |
| 1c95                          | 37.1                          | 12.3                       | 14.5                       | 293                          | 802                         |
| 1c120                         | 43.2                          | 14.5                       | 17.0                       | 339                          | 1098                        |
| 1c150                         | 48.8                          | 16.3                       | 19.2                       | 389                          | 1399                        |
| 1c185                         | 54.2                          | 18.0                       | 21.3                       | 444                          | 1701                        |
| 1c240                         | 60.6                          | 20.3                       | 23.8                       | 522                          | 2191                        |
| 1c300                         | 66.7                          | 22.5                       | 26.2                       | 601                          | 2778                        |
| 1c400                         | 76.7                          | 26.0                       | 30.1                       | 670                          | 3580                        |
| 1c500                         | 85.9                          | 29.2                       | 33.7                       | 720                          | 4529                        |
| 1c630                         | 96.1                          | 32.8                       | 37.7                       | 780                          | 5698                        |

| Size<br><i>mm<sup>2</sup></i> | Min. Bend<br>Radius <i>mm</i> | Nom. Cond.<br>OD <i>mm</i> | Nom. Cable<br>OD <i>mm</i> | Current Rating<br><i>amp</i> | Approx. Wt.<br><i>kg/km</i> |
|-------------------------------|-------------------------------|----------------------------|----------------------------|------------------------------|-----------------------------|
|-------------------------------|-------------------------------|----------------------------|----------------------------|------------------------------|-----------------------------|

IEC 60092-352:2005 Table B.4 - Current carrying capacities in continuous service, 90°C operating temperature, 45°C ambient air temperature.

There is a +5% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Conductor Comparison - TriCab versus Class 5 & 6 (approximate no.of wires)

| Size mm <sup>2</sup> | 50  | 70  | 95   | 120  | 150  | 185  | 240  | 300  | 400  | 500  | 630  |
|----------------------|-----|-----|------|------|------|------|------|------|------|------|------|
| TriCab               | 658 | 969 | 1216 | 1672 | 2052 | 2508 | 3256 | 4144 | 5368 | 6832 | 8784 |
| Class5               | 378 | 342 | 465  | 587  | 734  | 905  | 1174 | 1468 | 1958 | 1710 | 2155 |
| Class6               | 662 | 927 | 1258 | 1589 | 1987 | 1401 | 1817 | 2272 |      |      |      |

Issue 11.0

