



## TABLE B5 : Multicore Cables

### Application

- Power, Lighting, Control & Communication and Instrumentation circuits in surface ships and submarines.
- Used in fuel and lubrication oils, hydraulic fluids and water surfaces.
- Ship systems & equipments and weapon systems & equipments.

### Product Construction

- Conductor : Circular Electroplated, annealed tinned copper wire (Class 2) complying with BS : 6360
- Insulation : Dual extrusion (Type GP 5 / LFH)
- Laying up
- Outer Sheath : Limited Fire Hazard complying with NES 518 Material .

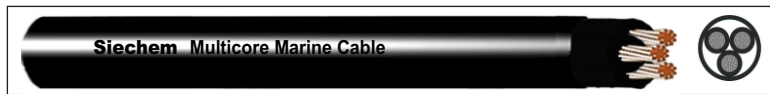
### Technical Data

- Temperature Range : - 35°C to +105°C
- Rated Voltage (U<sub>0</sub>/U) : 440 V
- Test Voltage : 1.5/3 kV
- Bending Radius(Min) : 6 x Cable Diameter
- Specification : DEF Stand 02-256 issue-2

### Features

- Limited Fire Hazard
- Halogen free

|          |           |         |           |    |
|----------|-----------|---------|-----------|----|
| ISO 9001 | ISO 14001 | AS 9100 | ISO 45001 | CE |
|          |           |         |           |    |



| Part Number | Conductor                          |            |               | Insulation            |               | Sheath Radial Thickness | Diameter Overall (mm) |        | Max. Conductor Resistance at 20°C (Ω/km) | Total Weight approx. Kg/Km | Length on Drum | Current Carrying Capacity A |
|-------------|------------------------------------|------------|---------------|-----------------------|---------------|-------------------------|-----------------------|--------|--|----------------------------|----------------|-----------------------------|
|             | Number of Cores (mm <sup>2</sup> ) | Stand (mm) | Diameter (mm) | Radial Thickness (mm) | Diameter (mm) |                         | Min.                  | Max.   |  |                            |                |                             |
|             |                                    |            |               |                       |               |                         | 521-8275              | 2C x 4 |  |                            |                |                             |
| 521-8276    | 2C x 6                             | 7/1.04     | 3.12          | 1.0                   | 5.12          | 1.2                     | 12.6                  | 13.8   | 3.11                                     | 292                        | 500            | 39                          |
| 521-8277    | 2C x 10                            | 7/1.35     | 4.05          | 1.2                   | 6.45          | 1.3                     | 15.5                  | 16.8   | 1.84                                     | 455                        | 500            | 55                          |
| 521-8278    | 2C x 16                            | 7/1.70     | 5.10          | 1.2                   | 7.50          | 1.4                     | 17.8                  | 19.1   | 1.16                                     | 642                        | 500            | 70                          |
| 521-8279    | 2C x 25                            | 19/1.35    | 6.75          | 1.4                   | 9.55          | 1.6                     | 22.3                  | 23.9   | 0.734                                    | 1043                       | 500            | 98                          |
| 521-8280    | 2C x 35                            | 19/1.35    | 7.65          | 1.4                   | 10.45         | 1.6                     | 24.1                  | 25.7   | 0.529                                    | 1240                       | 500            | 116                         |
| 521-8281    | 2C x 50                            | 19/1.78    | 8.90          | 1.6                   | 12.10         | 1.8                     | 27.8                  | 29.4   | 0.391                                    | 1672                       | 500            | 141                         |
| 521-8282    | 2C x 70                            | 19/2.14    | 10.70         | 1.6                   | 13.90         | 1.9                     | 31.6                  | 33.5   | 0.270                                    | 2271                       | 500            | 176                         |
| 521-8283    | 2C x 95                            | 37/1.78    | 12.46         | 1.8                   | 16.06         | 2.1                     | 36.3                  | 38.2   | 0.195                                    | 3022                       | 250            | 220                         |
| 521-8284    | 2C x 120                           | 37/2.03    | 14.21         | 1.8                   | 17.81         | 2.2                     | 40.0                  | 42.4   | 0.154                                    | 3784                       | 250            | 268                         |
| 521-8285    | 2C x 150                           | 37/2.25    | 15.75         | 2.0                   | 19.75         | 2.4                     | 44.3                  | 46.5   | 0.126                                    | 4550                       | 250            | 295                         |
| 521-8289    | 3C x 4                             | 7/0.85     | 2.55          | 1.0                   | 4.55          | 1.2                     | 12.2                  | 13.4   | 4.70                                     | 296                        | 500            | 27                          |
| 521-8290    | 3C x 6                             | 7/1.04     | 3.12          | 1.0                   | 5.12          | 1.2                     | 13.4                  | 14.8   | 3.11                                     | 360                        | 500            | 35                          |
| 521-8291    | 3C x 10                            | 7/1.35     | 4.05          | 1.2                   | 6.45          | 1.4                     | 16.7                  | 18.0   | 1.84                                     | 573                        | 500            | 49                          |
| 521-8292    | 3C x 16                            | 7/1.70     | 5.10          | 1.2                   | 7.50          | 1.4                     | 19.0                  | 20.3   | 1.16                                     | 804                        | 500            | 62                          |
| 521-8293    | 3C x 25                            | 19/1.35    | 6.75          | 1.4                   | 9.55          | 1.6                     | 23.8                  | 25.4   | 0.734                                    | 1297                       | 500            | 86                          |
| 521-8294    | 3C x 35                            | 19/1.53    | 7.65          | 1.4                   | 10.45         | 1.7                     | 25.9                  | 27.5   | 0.529                                    | 1589                       | 500            | 102                         |
| 521-8295    | 3C x 50                            | 19/1.78    | 8.90          | 1.6                   | 12.10         | 1.8                     | 29.6                  | 31.5   | 0.391                                    | 2123                       | 500            | 123                         |
| 521-8296    | 3C x 70                            | 19/2.14    | 10.70         | 1.6                   | 13.90         | 2.0                     | 34.0                  | 35.9   | 0.270                                    | 2913                       | 500            | 154                         |
| 521-8297    | 3C x 95                            | 37/1.78    | 12.46         | 1.8                   | 16.06         | 2.2                     | 39.0                  | 40.9   | 0.195                                    | 3906                       | 250            | 194                         |
| 521-8298    | 3C x 120                           | 37/2.03    | 14.21         | 1.8                   | 17.81         | 2.3                     | 43.0                  | 45.2   | 0.154                                    | 4893                       | 250            | 234                         |
| 521-8299    | 3C x 150                           | 37/2.25    | 15.75         | 2.0                   | 19.75         | 2.5                     | 47.6                  | 49.8   | 0.126                                    | 6046                       | 250            | 259                         |
| 521-8300    | 3C x 185                           | 37/2.52    | 17.64         | 2.2                   | 22.05         | 2.7                     | 53.0                  | 55.5   | 0.100                                    | 7535                       | 250            | 295                         |
| 521-8301    | 3C x 240                           | 61/2.25    | 20.25         | 2.4                   | 25.05         | 3.0                     | 60.1                  | 62.7   | 0.0762                                   | 9881                       | 250            | 345                         |
| 521-8453    | 4C x 4                             | 7/0.85     | 2.55          | 1.0                   | 4.55          | 1.2                     | 13.4                  | 14.6   | 4.70                                     | 330                        | 500            | 27                          |

