

## UNITERSIL

Flexible nickel plated annealed copper conductor, Silicone rubber - Glass fibre braid insulation/ Lapped PETP tape/glass fibre braid. 600 volts grade R.M.S (at maximum frequency 1600 c/s). B.S.G227.

\* These sizes may be offered in compliance with B.S.G189 (Conductor stranding as below \*\*)

| UNITERSIL<br>SIZE /<br>REFERENCE<br>NUMBER | SIZE<br>SQ.MM | STRANDING<br>MM | DIAMETER<br>OVER<br>CONDUCTOR<br>MM | NOMINAL<br>OVERALL<br>DIAMETER<br>MM | WEIGHT<br>KG/KM |
|--|---------------|-----------------|-------------------------------------|--------------------------------------|-----------------|
| 22   | 0.336         | 19/.15          | 0.75                                | 2.2                                  | 7               |
| 20   | 0.596         | 19/.2           | 1.00                                | 2.5                                  | 10              |
| 18*  | 0.931         | 19/.25          | 1.25                                | 2.8                                  | 14              |
| 16*  | 1.34          | 19/.3           | 1.50                                | 3.1                                  | 20              |
| 14*  | 1.82          | 37/.25          | 1.76                                | 3.6                                  | 30              |
| 12*  | 2.88          | 37/.315         | 2.20                                | 4.1                                  | 44              |
| 10*  | 4.65          | 37/.4           | 2.80                                | 4.8                                  | 60              |
| 8  | 8.42          | 119/.3          | 3.95                                | 6.3                                  | 103             |
| 6  | 12.9          | 182/.3          | 5.07                                | 7.7                                  | 163             |
| 4  | 20.8          | 294/.3          | 6.45                                | 9.2                                  | 253             |
| 2  | 32.4          | 203/.45         | 8.10                                | 11.1                                 | 374             |
| 1  | 39.4          | 247/.45         | 9.15                                | 12.4                                 | 460             |
| 0  | 51.5          | 323/.45         | 10.25                               | 13.9                                 | 580             |
| 00   | 66.8          | 418/.45         | 11.60                               | 15.3                                 | 742             |
| 000  | 82.0          | 513/.45         | 12.70                               | 17.1                                 | 906             |
| 0000                                       | 107.0         | 666/.45         | 14.70                               | 18.8                                 | 1180            |

The radial thickness has been omitted due to the complexity of construction.

**Operating temperature:** Maximum 190°C  
Minimum flexing -55°C

**Identification:**

Orange with type and size printed on outer sheath

**Minimum bending radius:** 3 x overall diameter  
for sizes 22 to 10

6 x overall diameter  
for sizes 8 to 0000

**ALTERNATIVE STRANDINGS \*\* - NO / SIZE**

|              |           |
|--------------|-----------|
| UNITERSIL 18 | 33/0.193  |
| UNITERSIL 16 | 40/0.193  |
| UNITERSIL 14 | 70/0.193  |
| UNITERSIL 12 | 110/0.193 |
| UNITERSIL 10 | 73/0.305  |