

XLPE/PVC/SWA/PVC (COPPER) BS5467 (Continued)

Plain annealed copper conductor, XLPE insulated/PVC extruded bedded/Steel Wire armoured/PVC sheathed. 600/1000 volts grade to BS5467. (As far as applicable).

SIXTEEN CORE: REF 694/16 XWP

| SIZE SQ.MM | CLASS OF CONDUCTOR | RT OF BEDDING MM | DIAMETER OVER BEDDING MM | DIAMETER OF ARMOUR WIRE MM | DIAMETER OVER ARMOUR MM | APPROX OVERALL DIAMETER MM | WEIGHT KG/KM |
|------------|--------------------|------------------|--------------------------|----------------------------|-------------------------|----------------------------|--------------|
| 1.5 | 2 | 0.8 | 16.0 | 1.25 | 18.6 | 21.9 | 1020 |
| 2.5 | 2 | 0.8 | 18.2 | 1.6 | 21.5 | 25.0 | 1430 |
| 4 | 2 | 1.0 | 22.1 | 1.6 | 25.4 | 29.1 | 1950 |
| 6 | 2 | 1.0 | 23.4 | 1.6 | 26.7 | 30.4 | 2300 |

NINETEEN CORE : REF 694/19 XWP

| | | | | | | | |
|-----|---|-----|------|------|------|------|------|
| 1.5 | 2 | 1.0 | 17.3 | 1.25 | 19.9 | 23.2 | 1120 |
| 2.5 | 2 | 1.0 | 19.3 | 1.6 | 22.6 | 26.1 | 1570 |
| 4 | 2 | 1.0 | 22.3 | 1.6 | 25.6 | 29.3 | 2050 |

TWENTY TWO CORE : REF 694/22 XWP

| | | | | | | | |
|-----|---|-----|------|-----|------|------|------|
| 1.5 | 2 | 1.0 | 20.3 | 1.6 | 23.6 | 27.3 | 1560 |
| 2.5 | 2 | 1.0 | 22.7 | 1.6 | 26.0 | 29.7 | 1930 |
| 4 | 2 | 1.0 | 26.3 | 1.6 | 29.6 | 33.5 | 2530 |

TWENTY SEVEN CORE : REF 694/27 XWP

| | | | | | | | |
|-----|---|-----|------|-----|------|------|------|
| 1.5 | 2 | 1.0 | 20.7 | 1.6 | 24.0 | 27.9 | 1630 |
| 2.5 | 2 | 1.0 | 23.2 | 1.6 | 26.5 | 30.2 | 2050 |
| 4 | 2 | 1.0 | 26.9 | 1.6 | 30.2 | 34.4 | 2740 |

THIRTY CORE : REF 694/30 XWP

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|-----|---|-----|------|-----|------|------|------|
| 1.5 | 2 | 1.0 | 21.5 | 1.6 | 24.8 | 28.5 | 1730 |
| 2.5 | 2 | 1.0 | 24.1 | 1.6 | 27.4 | 31.3 | 2200 |

THIRTY SEVEN : REF 694/37 XWP

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|-----|---|-----|------|-----|------|------|------|
| 1.5 | 2 | 1.0 | 23.3 | 1.6 | 26.6 | 30.6 | 1970 |
| 2.5 | 2 | 1.0 | 26.1 | 1.6 | 29.4 | 33.8 | 2540 |
| 4 | 2 | 1.2 | 31.0 | 2.0 | 35.4 | 39.6 | - |

FORTY CORE: REF 694/40 XWP

| | | | | | | | |
|-----|---|-----|------|-----|------|------|------|
| 1.5 | 2 | 1.0 | 24.3 | 1.6 | 27.6 | 31.5 | 2080 |
| 2.5 | 2 | 1.0 | 27.7 | 1.6 | 31.8 | 35.9 | 2970 |

FORTY EIGHT : REF 694/48 XWP

| | | | | | | | |
|-----|---|-----|------|-----|------|------|------|
| 1.5 | 2 | 1.0 | 26.7 | 1.6 | 30.0 | 33.9 | 2390 |
| 2.5 | 2 | 1.0 | 30.4 | 2.0 | 34.5 | 38.8 | 3430 |
| 4 | 2 | 1.2 | 36.0 | 2.0 | 39.6 | 44.6 | - |

Operating temperature: Maximum 90°C. Minimum bending 0°C

Minimum bending radius:

1.5 sq.mm - 16 sq.mm - 6 x overall diameter

25 sq.mm and above - 8 x overall diameter

Conductor identification:

- Two Core - Red & Black
- Three Core - Red, Yellow & Blue
- Four Core - Red, Yellow, Blue & Black
- Five Core & above - Numbered cores.

Conductor Stranding: Class 2 stranded copper:

2 circular or circular compacted conductors.

2* shaped or circular conductors or circular compacted conductors.

2S shaped conductors.

(Dimensions and weights based on circular.)

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