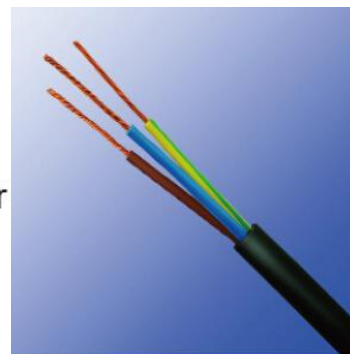
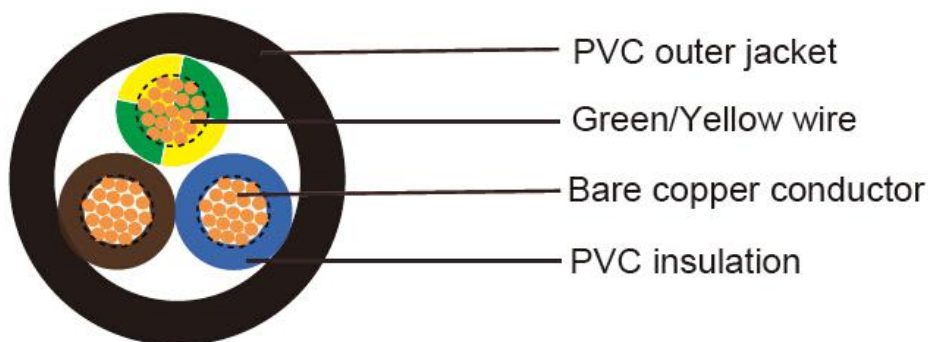


## 318A to BS 6004(Formerly BS 7919)

### Application and Description

318A to BS 6004(Formerly BS 7919) cables are designed to withstand severe external temperatures and will remain flexible at temperatures down to -40°C. Making them particularly suitable for outdoor applications and for use where flexibility is required at sub zero temperatures. At normal temperatures the cable is very flexible, offering some of the characteristics usually found in elastomeric cables.,

### Cable Construction



Annealed copper conductor

Stranding to BS 6360 CL-5 or IEC 60228 CL-5

- PVC core insulation TI 4 to EN 50363-3-1(formerly BS 7655-3-1)
- Green/Yellow grounding (3 conductors and above)
- PVC outer jacket Type 10 to BS7655-4-2
- Yellow or blue

### Core Identification

2Cores: Blue, Brown

3Cores: Green/Yellow, Blue, Brown

4Cores: Green/Yellow, Brown, Black, Grey or Green/Yellow, Blue, Brown, Black

5 Cores: Green/Yellow, Blue,Brown, Black, Grey

### Technical Characteristics

Working voltage: 300/500 volts

Test voltage: 2000 volts

Flexing bending radius: 6xOverall diameter

Static bending radius: 4xOverall diameter

Flexing temperature: -5° C to +70° C

Static temperature: -40° C to +70° C

Short circuit temperature: +160° C

Flame retardant: IEC 60332.1

- Insulation resistance: 20 MΩxkm

## Cable Parameter

| AWG<br>(No of Strands/<br>Strand<br>Diameter) | No. of Cores x<br>Nominal Cross<br>Sectional Area<br>#x $\text{mm}^2$ | Nominal<br>Thickness<br>of Insulation<br>mm | Nominal<br>Thickness of<br>Sheath<br>mm | Nominal<br>Overall<br>Diameter<br>mm | Nominal<br>Copper<br>Weight<br>kg/km | Nominal<br>Weight<br>kg/km |
|---|---|---|---|--------------------------------------|--------------------------------------|----------------------------|
| <b>3192A</b>                                  |   |   |   |                                      |                                      |                            |
| 18(24/32)                                     | 2x0.75  | 0.6   | 0.8                                     | 3.8x6.7                              | 14.4                                 | 58                         |
| 17(32/32)                                     | 2x1.0   | 0.6   | 0.8                                     | 4.0x6.9                              | 19                                   | 66                         |
| <b>3182A</b>                                  |   |   |   |                                      |                                      |                            |
| 20(16/32)                                     | 2x0.50  | 0.6   | 0.8                                     | 6.1                                  | 9.6                                  | 46                         |
| 18(24/32)                                     | 2x0.75  | 0.6   | 0.8                                     | 6.4                                  | 14.4                                 | 57                         |
| 17(32/32)                                     | 2x1.0   | 0.6   | 0.8                                     | 6.8                                  | 19                                   | 65                         |
| 16(30/30)                                     | 2x1.5   | 0.7   | 0.8                                     | 7.6                                  | 29                                   | 87                         |
| 14(50/30)                                     | 2x2.5   | 0.8   | 1.0                                     | 9.2                                  | 48                                   | 134                        |
| 12(56/28)                                     | 2x4.0   | 0.8   | 1.1                                     | 10.5                                 | 77                                   | 174                        |
| <b>3183A</b>                                  |   |   |   |                                      |                                      |                            |
| 18(24/32)                                     | 3x0.75  | 0.6   | 0.8                                     | 6.8                                  | 21.6                                 | 68                         |
| 17(32/32)                                     | 3x1.0   | 0.6   | 0.8                                     | 7.2                                  | 29                                   | 79                         |
| 16(30/30)                                     | 3x1.5   | 0.7   | 0.9                                     | 8.2                                  | 43                                   | 111                        |
| 14(50/30)                                     | 3x2.5   | 0.8   | 1.1                                     | 10.1                                 | 72                                   | 169                        |
| 12(56/28)                                     | 3x4.0   | 0.8   | 1.2                                     | 11.3                                 | 115                                  | 233                        |
| <b>3184A</b>                                  |   |   |   |                                      |                                      |                            |
| 18(24/32)                                     | 4x0.75  | 0.6   | 0.8                                     | 7.4                                  | 29                                   | 84                         |
| 17(32/32)                                     | 4x1.0   | 0.6   | 0.9                                     | 8.0                                  | 38                                   | 101                        |
| 16(30/30)                                     | 4x1.5   | 0.7   | 1.0                                     | 9.2                                  | 58                                   | 142                        |
| 14(50/30)                                     | 4x2.5   | 0.8   | 1.1                                     | 11.2                                 | 96                                   | 211                        |
| 12(56/28)                                     | 4x4.0   | 0.8   | 1.2                                     | 12.5                                 | 154                                  | 292                        |
| <b>3185A</b>                                  |   |   |   |                                      |                                      |                            |
| 18(24/32)                                     | 5x0.75  | 0.6   | 0.9                                     | 8.5                                  | 36                                   | 106                        |
| 17(32/32)                                     | 5x1.0   | 0.6   | 0.9                                     | 8.8                                  | 48                                   | 123                        |
| 16(30/30)                                     | 5x1.5   | 0.7   | 1.1                                     | 10.5                                 | 72                                   | 176                        |
| 14(50/30)                                     | 5x2.5   | 0.8   | 1.2                                     | 12.4                                 | 120                                  | 262                        |
| 12(56/28)                                     | 5x4.0   | 0.8   | 1.4                                     | 13.7                                 | 192                                  | 369                        |