



### **Application**

High temperature, flame retardant cable designed for use in the switch control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers. Tri-rated cable is sometimes referred to as BS 6231 cable, H07V2-K or panel wire.

#### **Cable Standards**

Made in accordance with the following: BS EN 50525-2-31\* BS 6231 Type CK, UL Subj.758, CSA C22.2 No. 210, BS EN/IEC 60332, BS EN 60228

#### Construction

UL Style Number : 1015

Conductor : Class 5 flexible copper conductor Insulation : PVC (Polyvinyl Chloride) Type TI3

Insulation Material Type : Non-Hygroscopic

### Characteristics

Voltage Rating (Uo/U) : UL, CSA: 600/1000V

BS 6231: 600/1000V

BS EN 50525-2-31: 300/500V, 450/750V

Temperature Rating : UL, CSA: +105°C

BS 6231: +90°C Minimum: -15°C

Min. Bending Radius : 6 × overall diameter

Sheath Colour : Black, Blue, Brown, Dark Blue, Green, Grey, Green/Yellow, Light Blue, Orange, Pink, Red,

Violet, White & Yellow

#### Note

\*BS EN 50525-2-31 covers harmonised conductor sizes up to 35mm², wires above this size are generally to the specification. Where it is intended to connect wires contained within this datasheet to equipment or accessories confirmation should be obtained to ensure that they are capable of withstanding the operating temperature of the wire.

This product range is available on reels of 100 m and 50 m or 500 m (in select sizes), or per metre





### **Dimensions**

| Part<br>Number | No. of<br>Cores | Colour       | Nominal Cross<br>Sectional Area<br>mm <sup>2</sup> | Approx-<br>imate<br>AWG | Nominal Thick-<br>ness of Insulation<br>mm | Nominal Overall Diameter<br>mm           | Nominal<br>Weight<br>kg/km |
|----------------|-----------------|--------------|--|-------------------------|--|--|----------------------------|
| PP001185       |                 | Black        |  |                         |  |  |                            |
| PP001195       |                 | Blue         |  |                         |  |  |                            |
| PP001204       |                 | Brown        |  |                         |  |  |                            |
| PP001214       |                 | Dark Blue    |  |                         |  |  |                            |
| PP001221       |                 | Green        |  |                         |  |  |                            |
| PP001228       |                 | Grey         |  |                         |  |  |                            |
| PP001238       |                 | Green/Yellow |  |                         |  |  |                            |
| PP001248       |                 | Light Blue   |  |                         |  |  |                            |
| PP001255       |                 | Orange       |  |                         |  |  |                            |
| PP001262       |                 | Pink         |  |                         |  |  |                            |
| PP001269       |                 | Red          | 0.5  | 21                      |  | 2.7 (Lower Limit 2.4 – Upper<br>Limit 3) | 11                         |
| PP001279       |                 | Violet       |  |                         |  | •,                                       |                            |
| PP001286       |                 | White        |  |                         |  |  |                            |
| PP001295       |                 | Yellow       |  |                         |  |  |                            |
| PP001304       |                 | Black        |  |                         |  |  |                            |
| PP001305       |                 | Red          |  |                         |  |  |                            |
| PP001306       |                 | Yellow       |  |                         |  |  |                            |
| PP001307       | 1               | White        |  |                         | 0.8  |  |                            |
| PP001308       | '               | Blue         |  |                         | 0.0  |  |                            |
| PP001309       |                 | Brown        |  |                         |  |  |                            |
| PP001310       |                 | Orange       |  |                         |  |  |                            |
| PP001186       |                 | Black        |  |                         |  |  | 15                         |
| PP001196       |                 | Blue         |  |                         |  |  | 15                         |
| PP001205       |                 | Brown        |  |                         |  |  | 15                         |
| PP001215       |                 | Dark Blue    |  |                         |  |  | 15                         |
| PP001222       |                 | Green        |  |                         |  |  | 15                         |
| PP001229       |                 | Grey         |  |                         |  |  | 15                         |
| PP001239       |                 | Green/Yellow |  |                         |  | 2.85 (Lower Limit 2.6 – Upper            | 15                         |
| PP001249       |                 | Light Blue   | 0.75   | 19                      |  | Limit 3.1)                               | 15                         |
| PP001256       |                 | Orange       |  |                         |  |  | 15                         |
| PP001263       |                 | Pink         |  |                         |  |  | 15                         |
| PP001270       |                 | Red          |  |                         |  |  | 15                         |
| PP001280       |                 | Violet       |  |                         |  |  | 15                         |
| PP001287       |                 | White        |  |                         |  |  | 15                         |
| PP001296       |                 | Yellow       |  |                         |  |  | 15                         |
| PP001311       |                 | Black        |  |                         |  |  | 15                         |





| Part<br>Number | No. of<br>Cores | Colour       | Nominal Cross<br>Sectional Area<br>mm <sup>2</sup> | Approx-<br>imate<br>AWG | Nominal Thick-<br>ness of Insulation<br>mm | Nominal Overall Diameter<br>mm           | Nominal<br>Weight<br>kg/km |
|----------------|-----------------|--------------|--|-------------------------|--|--|----------------------------|
| PP001312       |                 | Red          |  |                         |  |  |                            |
| PP001313       |                 | Blue         | 0.75   | 19                      |  | 2.85 (Lower Limit 2.6 – Upper            | 15                         |
| PP001314       |                 | Green/Yellow | 0.73   | 19                      |  | Limit 3.1)                               | 13                         |
| PP001315       |                 | Brown        |  |                         |  |  |                            |
| PP001187       |                 | Black        |  |                         |  |  |                            |
| PP001197       |                 | Blue         |  |                         |  |  |                            |
| PP001206       |                 | Brown        |  |                         |  |  |                            |
| PP001216       |                 | Dark Blue    |  |                         |  |  |                            |
| PP001223       |                 | Green        |  |                         |  |  |                            |
| PP001230       |                 | Grey         |  |                         |  |  |                            |
| PP001240       |                 | Green/Yellow |  |                         |  |  |                            |
| PP001250       |                 | Light Blue   |  |                         |  |  |                            |
| PP001257       |                 | Orange       |  |                         |  |  |                            |
| PP001264       |                 | Pink         | 1  | 18                      |  | 3 (Lower Limit 2.7 – Upper<br>Limit 3.3) | 18                         |
| PP001271       |                 | Red          |  |                         |  | Ellill (0.0)                             |                            |
| PP001281       |                 | Violet       |  |                         |  |  |                            |
| PP001288       |                 | White        |  |                         |  |  |                            |
| PP001297       |                 | Yellow       |  |                         |  |  |                            |
| PP001316       | 1               | Black        |  |                         | 0.8  |  |                            |
| PP001317       |                 | Red          |  |                         |  |  |                            |
| PP001318       |                 | Green/Yellow |  |                         |  |  |                            |
| PP001319       |                 | Brown        |  |                         |  |  |                            |
| PP001320       |                 | Blue         |  |                         |  |  |                            |
| PP001188       |                 | Black        |  |                         |  |  |                            |
| PP001198       |                 | Blue         |  |                         |  |  |                            |
| PP001207       |                 | Brown        |  |                         |  |  |                            |
| PP001217       |                 | Dark Blue    |  |                         |  |  |                            |
| PP001224       |                 | Green        |  |                         |  |  |                            |
| PP001231       |                 | Grey         |  |                         |  |  |                            |
| PP001241       |                 | Green/Yellow | 4.5  | 40                      |  | 3.3 (Lower Limit 3 – Upper               | 20                         |
| PP001251       |                 | Light Blue   | 1.5  | 16                      |  | Limit 3.6)                               | 23                         |
| PP001258       |                 | Orange       |  |                         |  |  |                            |
| PP001265       |                 | Pink         |  |                         |  |  |                            |
| PP001272       |                 | Red          |  |                         |  |  |                            |
| PP001282       |                 | Violet       |  |                         |  |  |                            |
| PP001289       |                 | White        |  |                         |  |  |                            |
| PP001298       |                 | Yellow       |  |                         |  |  |                            |





| Part<br>Number | No. of<br>Cores | Colour       | Nominal Cross<br>Sectional Area<br>mm <sup>2</sup> | Approx-<br>imate<br>AWG | Nominal Thick-<br>ness of Insulation<br>mm | Nominal Overall Diameter<br>mm | Nominal<br>Weight<br>kg/km |
|----------------|-----------------|--------------|--|-------------------------|--|--------------------------------|----------------------------|
| PP001321       |                 | Black        |  |                         |  |                                |                            |
| PP001322       |                 | Red          |  |                         |  |                                |                            |
| PP001323       |                 | Green/Yellow | 1.5  | 16                      |  | 3.3 (Lower Limit 3 – Upper     | 23                         |
| PP001324       |                 | White        | 1.5  | 10                      |  | Limit 3.6)                     | 25                         |
| PP001325       |                 | Blue         |  |                         |  |                                |                            |
| PP001326       |                 | Brown        |  |                         |  |                                |                            |
| PP001189       |                 | Black        |  |                         |  |                                |                            |
| PP001199       |                 | Blue         |  |                         |  |                                |                            |
| PP001208       |                 | Brown        |  |                         |  |                                |                            |
| PP001218       |                 | Dark Blue    |  |                         |  |                                |                            |
| PP001225       |                 | Green        |  |                         |  |                                |                            |
| PP001232       |                 | Grey         |  |                         |  |                                |                            |
| PP001242       |                 | Green/Yellow |  |                         |  |                                |                            |
| PP001252       |                 | Light Blue   |  |                         |  |                                |                            |
| PP001259       |                 | Orange       | 2.5  | 14                      |  | 3.75 (Lower Limit 3.4 – Upper  | 35                         |
| PP001266       |                 | Pink         | 2.5  | 14                      |  | Limit 4.1)                     | 35                         |
| PP001273       |                 | Red          |  |                         |  |                                |                            |
| PP001283       | 1               | Violet       |  |                         | 0.8  |                                |                            |
| PP001290       | '               | White        |  |                         | 0.6  |                                |                            |
| PP001299       |                 | Yellow       |  |                         |  |                                |                            |
| PP001327       |                 | Black        |  |                         |  |                                |                            |
| PP001328       |                 | Red          |  |                         |  |                                |                            |
| PP001329       |                 | Green/Yellow |  |                         |  |                                |                            |
| PP001330       |                 | Blue         |  |                         |  |                                |                            |
| PP001190       |                 | Black        |  |                         |  |                                |                            |
| PP001200       |                 | Blue         |  |                         |  |                                |                            |
| PP001209       |                 | Brown        |  |                         |  |                                |                            |
| PP001219       |                 | Dark Blue    |  |                         |  |                                |                            |
| PP001226       |                 | Green        |  |                         |  |                                |                            |
| PP001233       |                 | Grey         | 4  | 12                      |  | 4.35 (Lower Limit 3.9 – Upper  | 48                         |
| PP001243       |                 | Green/Yellow | 4  | 12                      |  | Limit 4.8)                     | 40                         |
| PP001253       |                 | Light Blue   |  |                         |  |                                |                            |
| PP001260       |                 | Orange       |  |                         |  |                                |                            |
| PP001267       |                 | Pink         |  |                         |  |                                |                            |
| PP001274       |                 | Red          |  |                         |  |                                |                            |
| PP001284       |                 | Violet       |  |                         |  |                                |                            |





| Part<br>Number | No. of<br>Cores | Colour       | Nominal Cross<br>Sectional Area<br>mm <sup>2</sup> | Approx-<br>imate<br>AWG | Nominal Thick-<br>ness of Insulation<br>mm | Nominal Overall Diameter mm                       | Nominal<br>Weight<br>kg/km |
|----------------|-----------------|--------------|--|-------------------------|--|---|----------------------------|
| PP001291       |                 | White        | 4  | 12                      |  | 4.35 (Lower Limit 3.9 – Upper                     | 48                         |
| PP001300       |                 | Yellow       | 4  | 12                      |  | Limit 4.8)  | 40                         |
| PP001191       |                 | Black        |  |                         |  |   |                            |
| PP001201       |                 | Blue         |  |                         |  |   |                            |
| PP001210       |                 | Brown        |  |                         |  |   |                            |
| PP001220       |                 | Dark Blue    |  |                         |  |   |                            |
| PP001227       |                 | Green        |  |                         |  |   |                            |
| PP001234       |                 | Grey         |  |                         | 0.0  |   |                            |
| PP001244       |                 | Green/Yellow |  | 40                      | 0.8  | 4.85 (Lower Limit 4.4 – Upper                     | 00                         |
| PP001254       |                 | Light Blue   | 6  | 10                      |  | Limit 5.3)  | 69                         |
| PP001261       |                 | Orange       |  |                         |  |   |                            |
| PP001268       |                 | Pink         |  |                         |  |   |                            |
| PP001275       |                 | Red          |  |                         |  |   |                            |
| PP001285       |                 | Violet       |  |                         |  |   |                            |
| PP001292       |                 | White        |  |                         |  |   |                            |
| PP001301       |                 | Yellow       |  |                         |  |   |                            |
| PP001192       |                 | Black        |  |                         |  |   |                            |
| PP001202       |                 | Blue         |  |                         |  |   |                            |
| PP001211       | 1               | Brown        |  |                         |  |   |                            |
| PP001235       |                 | Grey         | 40   |                         |  | 6.3 (Lower Limit 5.7 – Upper                      | 447                        |
| PP001245       |                 | Green/Yellow | 10   | 8                       |  | Limit 7.2)  | 117                        |
| PP001276       |                 | Red          |  |                         |  |   |                            |
| PP001293       |                 | White        |  |                         |  |   |                            |
| PP001302       |                 | Yellow       |  |                         | 4  |   |                            |
| PP001193       |                 | Black        |  |                         | 1  |   |                            |
| PP001203       |                 | Blue         |  |                         |  |   |                            |
| PP001212       |                 | Brown        |  |                         |  |   |                            |
| PP001236       |                 | Grey         | 40   | _                       |  | 8.1 (Lower Limit 6.7 – Upper                      | 404                        |
| PP001246       |                 | Green/Yellow | 16   | 6                       |  | Limit 9)  | 191                        |
| PP001277       |                 | Red          |  |                         |  |   |                            |
| PP001294       |                 | White        |  |                         |  |   |                            |
| PP001303       |                 | Yellow       |  |                         |  |   |                            |
| PP001194       |                 | Black        |  |                         |  |   |                            |
| PP001213       |                 | Brown        |  |                         |  |   |                            |
| PP001237       |                 | Grey         | 25   | 4                       | 1.2  | 9.4 (Lower Limit 8.4mm – Up-<br>per Limit 11.5mm) | 281                        |
| PP001247       |                 | Green/Yellow |  |                         |  | per Liniit 11.Jilili)                             |                            |
| PP001278       |                 | Red          | 1  |                         |  |   |                            |





#### **Conductors**

Class 5 Flexible Copper Conductors for Single Core Wire

| Nominal Cross         | No. of Strands x Strand Size | Max. Resistance of Conductor at 20°C |
|-----------------------|------------------------------|--------------------------------------|
| Sectional Area<br>mm² | (mm)                         | Plain Wires<br>Ω/km                  |
| 0.5                   | 16 × 0.2                     | 39                                   |
| 0.75                  | 24 × 0.2                     | 26                                   |
| 1                     | 30 × 0.2                     | 19.5                                 |
| 1.5                   | 30 × 0.25                    | 13.3                                 |
| 2.5                   | 50 × 0.25                    | 7.98                                 |
| 4                     | 56 × 0.3                     | 4.95                                 |
| 6                     | 84 × 0.3                     | 3.3                                  |
| 10                    | 136 × 0.3                    | 1.91                                 |
| 16                    | 126 × 0.4                    | 1.21                                 |
| 25                    | 196 × 0.4                    | 0.78                                 |

The above table is in accordance with BS EN 60228 (previously BS 6360)

#### **Electrical Characteristics:**

Current Carrying Capacity and Voltage Drop

| Nominal Cross<br>Sectional Area<br>mm² | Current Rating (Peak)<br>Amps | Voltage Drop<br>mV/A/m |
|--|-------------------------------|------------------------|
| 0.5                                    | 11                            | 46                     |
| 0.75                                   | 14                            | 31                     |
| 1                                      | 17                            | 22                     |
| 1.5                                    | 21                            | 15                     |
| 2.5                                    | 30                            | 9.1                    |
| 4                                      | 41                            | 5.7                    |
| 6                                      | 53                            | 3.8                    |
| 10                                     | 75                            | 2.2                    |
| 16                                     | 100                           | 1.4                    |
| 25                                     | 136                           | 0.89                   |

Current ratings are based on a conductor operating temperature of 90°C and an ambient air temperature of 45°C and assumes single wire isolated in free air.

### **De-Rating Factors:**

| Ambient Temperature | +45°C | +50°C | +55°C | +60°C | +65°C | +70°C | +75°C |
|---------------------|-------|-------|-------|-------|-------|-------|-------|
| De-Rating Factor    | 1     | 0.97  | 0.9   | 0.82  | 0.73  | 0.63  | 0.52  |

#### Where wires are to be grouped, the following factors should be applied

| No. of Wires in Group | 2   | 3   | 4    | 5   | 6    | 7    | 8   |
|-----------------------|-----|-----|------|-----|------|------|-----|
| De-Rating Factor      | 0.8 | 0.7 | 0.65 | 0.6 | 0.56 | 0.53 | 0.5 |





### **Part Number Table**

| Description                           | Nominal Cross<br>Sectional Area<br>mm² | Colour       | Reel Length      | Part Numbe |
|---------------------------------------|--|--------------|------------------|------------|
|                                       |  | Black        |                  | PP001185   |
|                                       |  | Blue         | 1                | PP001195   |
|                                       |  | Brown        | 1                | PP001204   |
|                                       |  | Dark Blue    | 1                | PP001214   |
|                                       |  | Green        | -                | PP001221   |
|                                       |  | Grey         | ]                | PP001228   |
|                                       |  | Green/Yellow | 1,00 5 14        | PP001238   |
|                                       |  | Light Blue   | 100 m or Per M   | PP001248   |
|                                       |  | Orange       | 1                | PP001255   |
|                                       |  | Pink         | 1                | PP001262   |
|                                       | 0.5                                    | Red          | 1                | PP001269   |
|                                       |  | Violet       | 1                | PP001279   |
|                                       |  | White        | 1                | PP001286   |
|                                       |  | Yellow       | 1                | PP001295   |
|                                       |  | Black        |                  | PP001304   |
|                                       |  | Red          | 500 m            | PP001305   |
|                                       |  | Yellow       |                  | PP001306   |
|                                       |  | White        |                  | PP001307   |
| Tri-Rated Flexible PVC Equipment Wire |  | Blue         |                  | PP001308   |
| FVC Equipment wire                    |  | Brown        |                  | PP001309   |
|                                       |  | Orange       |                  | PP001310   |
|                                       |  | Black        |                  | PP001186   |
|                                       |  | Blue         | -<br>-<br>-      | PP001196   |
|                                       |  | Brown        |                  | PP001205   |
|                                       |  | Dark Blue    |                  | PP001215   |
|                                       |  | Green        | 1                | PP001222   |
|                                       |  | Grey         | 1                | PP001229   |
|                                       |  | Green/Yellow | 100 - 6 - 5 - 14 | PP001239   |
|                                       | 0.75                                   | Light Blue   | 100 m or Per M   | PP001249   |
|                                       | 0.75                                   | Orange       | ]                | PP001256   |
|                                       |  | Pink         | 1                | PP001263   |
|                                       |  | Red          | 1                | PP001270   |
|                                       |  | Violet       | 1                | PP001280   |
|                                       |  | White        | 1                | PP001287   |
|                                       |  | Yellow       | 1                | PP001296   |
|                                       |  | Black        | 500              | PP001311   |
|                                       |  | Red          | 500 m            | PP001312   |





| Description        | Nominal Cross<br>Sectional Area<br>mm² | Colour       | Reel Length       | Part Number |
|--------------------|--|--------------|-------------------|-------------|
|                    |  | Blue         |                   | PP001313    |
|                    | 0.75                                   | Green/Yellow | 500 m             | PP001314    |
|                    |  | Brown        | 1                 | PP001315    |
|                    |  | Black        |                   | PP001187    |
|                    |  | Blue         |                   | PP001197    |
|                    |  | Brown        |                   | PP001206    |
|                    |  | Dark Blue    |                   | PP001216    |
|                    |  | Green        |                   | PP001223    |
|                    |  | Grey         |                   | PP001230    |
|                    |  | Green/Yellow | 100 m or Per M    | PP001240    |
|                    |  | Light Blue   | 100 m or Per M    | PP001250    |
|                    |  | Orange       |                   | PP001257    |
|                    | 1                                      | Pink         |                   | PP001264    |
|                    |  | Red          |                   | PP001271    |
|                    |  | Violet       |                   | PP001281    |
|                    |  | White        |                   | PP001288    |
|                    |  | Yellow       |                   | PP001297    |
|                    |  | Black        | 500 m             | PP001316    |
| Tri-Rated Flexible |  | Red          |                   | PP001317    |
| PVC Equipment Wire |  | Green/Yellow |                   | PP001318    |
|                    |  | Brown        |                   | PP001319    |
|                    |  | Blue         |                   | PP001320    |
|                    |  | Black        |                   | PP001188    |
|                    |  | Blue         |                   | PP001198    |
|                    |  | Brown        |                   | PP001207    |
|                    |  | Dark Blue    |                   | PP001217    |
|                    |  | Green        |                   | PP001224    |
|                    |  | Grey         |                   | PP001231    |
|                    |  | Green/Yellow | 100 m or Per M    | PP001241    |
|                    | 1.5                                    | Light Blue   | 100 III OI I EI W | PP001251    |
|                    | 1.5                                    | Orange       |                   | PP001258    |
|                    |  | Pink         | [                 | PP001265    |
|                    |  | Red          | [                 | PP001272    |
|                    |  | Violet       |                   | PP001282    |
|                    |  | White        |                   | PP001289    |
|                    |  | Yellow       |                   | PP001298    |
|                    |  | Black        | 500 m             | PP001321    |
|                    |  | Red          | 500 m             | PP001322    |





| Description        | Nominal Cross<br>Sectional Area<br>mm² | Colour       | Reel Length         | Part Number |
|--------------------|--|--------------|---------------------|-------------|
|                    |  | Green/Yellow |                     | PP001323    |
|                    | 1                                      | White        | 500                 | PP001324    |
|                    | 1.5                                    | Blue         | 500 m               | PP001325    |
|                    |  | Brown        |                     | PP001326    |
|                    |  | Black        |                     | PP001189    |
|                    |  | Blue         | ]                   | PP001199    |
|                    |  | Brown        |                     | PP001208    |
|                    |  | Dark Blue    |                     | PP001218    |
|                    |  | Green        |                     | PP001225    |
|                    |  | Grey         |                     | PP001232    |
|                    |  | Green/Yellow | 100 m or Per M      | PP001242    |
|                    |  | Light Blue   | 100 III OI PEI W    | PP001252    |
|                    | 2.5                                    | Orange       |                     | PP001259    |
|                    | 2.5                                    | Pink         |                     | PP001266    |
|                    |  | Red          |                     | PP001273    |
|                    |  | Violet       |                     | PP001283    |
|                    |  | White        |                     | PP001290    |
|                    |  | Yellow       |                     | PP001299    |
| Tri-Rated Flexible |  | Black        | 500 m               | PP001327    |
| PVC Equipment Wire |  | Red          |                     | PP001328    |
|                    |  | Green/Yellow |                     | PP001329    |
|                    |  | Blue         |                     | PP001330    |
|                    |  | Black        |                     | PP001190    |
|                    |  | Blue         |                     | PP001200    |
|                    |  | Brown        |                     | PP001209    |
|                    |  | Dark Blue    |                     | PP001219    |
|                    |  | Green        |                     | PP001226    |
|                    |  | Grey         |                     | PP001233    |
|                    | 4                                      | Green/Yellow | 100 m or Per M      | PP001243    |
|                    |  | Light Blue   |                     | PP001253    |
|                    |  | Orange       | ]                   | PP001260    |
|                    |  | Pink         | ]                   | PP001267    |
|                    |  | Red          | ]                   | PP001274    |
|                    |  | Violet       | ]                   | PP001284    |
|                    |  | White        | ]                   | PP001291    |
|                    |  | Yellow       |                     | PP001300    |
|                    | 6                                      | Black        | 100 m or Per M      | PP001191    |
|                    |  | Blue         | .00 111 51 1 61 101 | PP001201    |







| Description                           | Nominal Cross<br>Sectional Area<br>mm² | Colour       | Reel Length    | Part Number |
|---------------------------------------|--|--------------|----------------|-------------|
|                                       |  | Brown        |                | PP001210    |
|                                       |  | Dark Blue    |                | PP001220    |
|                                       |  | Green        |                | PP001227    |
|                                       |  | Grey         |                | PP001234    |
|                                       |  | Green/Yellow |                | PP001244    |
|                                       | 6                                      | Light Blue   |                | PP001254    |
|                                       | 0                                      | Orange       |                | PP001261    |
|                                       |  | Pink         |                | PP001268    |
|                                       |  | Red          |                | PP001275    |
|                                       |  | Violet       |                | PP001285    |
|                                       |  | White        |                | PP001292    |
|                                       |  | Yellow       |                | PP001301    |
|                                       | 10                                     | Black        | 100 m or Per M | PP001192    |
|                                       |  | Blue         |                | PP001202    |
|                                       |  | Brown        |                | PP001211    |
| T. B. J. F. 31                        |  | Grey         |                | PP001235    |
| Tri-Rated Flexible PVC Equipment Wire |  | Green/Yellow |                | PP001245    |
|                                       |  | Red          |                | PP001276    |
|                                       |  | White        |                | PP001293    |
|                                       |  | Yellow       |                | PP001302    |
|                                       |  | Black        |                | PP001193    |
|                                       |  | Blue         |                | PP001203    |
|                                       |  | Brown        |                | PP001212    |
|                                       | 16                                     | Grey         |                | PP001236    |
|                                       | 10                                     | Green/Yellow |                | PP001246    |
|                                       |  | Red          |                | PP001277    |
|                                       |  | White        |                | PP001294    |
|                                       |  | Yellow       |                | PP001303    |
|                                       |  | Black        |                | PP001194    |
|                                       |  | Brown        |                | PP001213    |
|                                       | 25                                     | Grey         | 50 m or Per M  | PP001237    |
|                                       |  | Green/Yellow |                | PP001247    |
|                                       |  | Red          |                | PP001278    |

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