

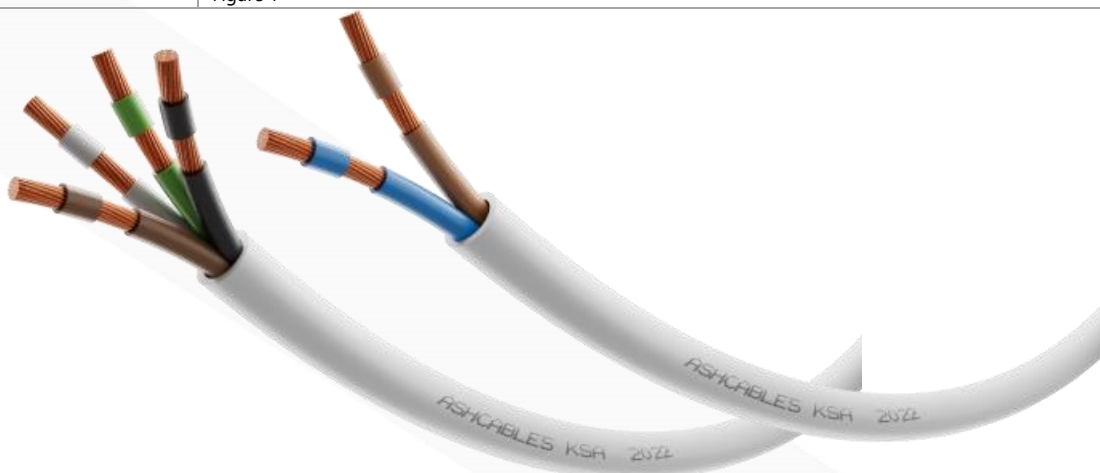
## ASHFLEXI CU/ PVC/ PVC 450/750 V GENERAL PURPOSE CABLES

### APPLICATION:

-The cables are intended for a variety of applications where appliances or Industrial machines, require a flexible connection to the power supply.

### CONSTRUCTION DETAILS

|                      |                                                                                                                                   |                                        |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| CONSTRUCTION DETAILS |                                                                                                                                   |                                        |
| Reference Standard   | Generally, to IEC 60227-5, BS EN 50525-2-11, BS EN 50363-3, BS EN 50363-4-1, BS EN 50525-1                                        |                                        |
| Rated voltage        | 450 / 750V                                                                                                                        |                                        |
| Conductor Material   | Plain annealed Copper conductor, Flexible Class (5) of BS EN 60228.                                                               |                                        |
| Conductor Insulation | Extruded Poly vinyl Chloride (PVC 70°C) compound.                                                                                 |                                        |
| Insulation color     | No. of cores                                                                                                                      | Core Identification                    |
|                      | 2 Cores                                                                                                                           | Brown, Blue                            |
|                      | 3 Cores                                                                                                                           | Green/Yellow, Blue, Brown              |
|                      | 4 Cores                                                                                                                           | Green/Yellow, Brown, Black, Grey       |
|                      | 5 Cores                                                                                                                           | Green/Yellow, Blue, Brown, Black, Grey |
| Assembly             | Insulated conductors are laid up to form a core and non-hygroscopic filler (if required)<br>Polyester wrapping tape (if required) |                                        |
| Outer Sheathing      | Extruded Poly vinyl Chloride (PVC 70°C) compound. (White color or as request)                                                     |                                        |
| Marking (Printing)   | Table 1                                                                                                                           |                                        |
| Cable drawing        | Figure 1                                                                                                                          |                                        |



**Table 1**

### DIMENSIONAL DATA SHEET

| S/N                   | ASH ITEM CODE       | CABLE REQUIREMENT                                                                                                                |                      | NOM.<br>INSULATION<br>THICKNESS<br>(mm) | NOM.<br>OUTER<br>SHEATH<br>THICKNESS<br>(mm) | APPRX.<br>CABLE DIA.<br>(mm) | Approx.<br>Cable<br>Weight<br>(kg/km) | Maximum<br>Conductor<br>DC<br>Resistance<br>at 20°C | Standard<br>Length |
|-----------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------|----------------------------------------------|------------------------------|---------------------------------------|-----------------------------------------------------|--------------------|
|                       |                     | No. of<br>cores X<br>size<br>(MM2)                                                                                               | BS EN<br>60228 Class |                                         |                                              |                              |                                       |                                                     |                    |
| 1                     | P751-02C00600-UWH1E | 2CX6                                                                                                                             | Class 5              | 0.80                                    | 1.20                                         | 12.0                         | 260                                   | ≤ 3.30                                              | 100YARDS           |
| 2                     | P751-02C01000-UWH1E | 2CX10                                                                                                                            | Class 5              | 1.00                                    | 1.40                                         | 15.00                        | 425                                   | ≤ 1.91                                              | 100YARDS           |
| 3                     | P751-02C01600-UWH1E | 2CX16                                                                                                                            | Class 5              | 1.00                                    | 1.40                                         | 17.20                        | 580                                   | ≤ 1.21                                              | 100YARDS           |
| 4                     | P751-03C00600-UWH1E | 3CX6                                                                                                                             | Class 5              | 0.80                                    | 1.40                                         | 13.00                        | 340                                   | ≤ 3.30                                              | 100YARDS           |
| 5                     | P751-03C01000-UWH1E | 3CX10                                                                                                                            | Class 5              | 1.00                                    | 1.40                                         | 16.20                        | 530                                   | ≤ 1.91                                              | 100YARDS           |
| 6                     | P751-03C01600-UWH1E | 3CX16                                                                                                                            | Class 5              | 1.00                                    | 1.40                                         | 18.20                        | 750                                   | ≤ 1.21                                              | 100YARDS           |
| 7                     | P751-04C00600-UWH1E | 4CX6                                                                                                                             | Class 5              | 0.80                                    | 1.40                                         | 14.20                        | 420                                   | ≤ 3.30                                              | 100YARDS           |
| 8                     | P751-04C01000-UWH1E | 4CX10                                                                                                                            | Class 5              | 1.00                                    | 1.40                                         | 17.70                        | 680                                   | ≤ 1.91                                              | 100YARDS           |
| 9                     | P751-04C01600-UWH1E | 4CX16                                                                                                                            | Class 5              | 1.00                                    | 1.40                                         | 20.50                        | 960                                   | ≤ 1.21                                              | 100YARDS           |
| 10                    | P751-05C00600-UWH1E | 5CX6                                                                                                                             | Class 5              | 0.80                                    | 1.40                                         | 15.60                        | 515                                   | ≤ 3.30                                              | 100YARDS           |
| 11                    | P751-05C01000-UWH1E | 5CX10                                                                                                                            | Class 5              | 1.00                                    | 1.40                                         | 19.30                        | 825                                   | ≤ 1.91                                              | 100YARDS           |
| 12                    | P751-05C01600-UWH1E | 5CX16                                                                                                                            | Class 5              | 1.00                                    | 1.60                                         | 22.70                        | 1200                                  | ≤ 1.21                                              | 100YARDS           |
| <b>CABLE PRINTING</b> |                     | ASHFLEXI (no. of core) X (size) MM2 CU/PVC/PVC 450/750 V GEN. IEC 60227-5<br>ASHCABLES KSA (YEAR OF MANUFACTURE) (METER MARKING) |                      |                                         |                                              |                              |                                       |                                                     |                    |

Dimensions and Weights are subject for manufacturing Tolerance.

### FLAME BEHAVIOUR, MECHANICAL & ENVIRONMENTAL PROPERTY

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| <b>Operating Temperature</b> | -20°C to 70°C                                       |
| <b>Bending Radius</b>        | 8 X Cable Outer Diameter                            |
| <b>Flame Retardance</b>      | Pass Flammability Test Requirement of IEC:60332-1-2 |

### PACKING

100 Yards coiled and 500/1000 mts in cable Wooden Drum or any other customer requirement  
Each spools/drum shall be marked with ASH cables standard practice.