

SINGLE CORE COPPER CONDUCTOR XLPE INSULATED LSZH SHEATHED ALUMINUM WIRE ARMoured CABLES CU/XLPE/AWA/LSZH

CONSTRUCTION:-

| | | |
|---------------------|---|---|
| CONDUCTOR | : | Stranded Bare annealed Copper Conductor, circular or circular compacted as per BS 6360/IEC 60228 (Class 2). |
| INSULATION | : | Extruded layer of cross linked polyethylene |
| CORE IDENTIFICATION | : | Red or Black or as per customer requirement |
| BEDDING | : | Extruded layer of LSZH compound |
| ARMOUR | : | Consists of single layer of aluminum wires of appropriate diameter. |
| OVER SHEATH | : | Extruded layer of LSZH compound generally Black |
| DESIGN | : | The Cable meets the requirement of BS 6724/IEC 60502 - 1 |

| Nominal Area of Conductor | Nominal Thickness of Insulation | Nominal Thickness of Extruded Bedding | Nominal Diameter of Armour Wire | Nominal Thickness of Outer Sheath | Approx. Overall Diameter | Approx. Cable Weight | Packing Length (Standard) |
|---------------------------|---------------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------|----------------------|---------------------------|
| mm ² | mm | mm | mm | mm | mm | kg/km | mtrs |
| 50 | 1.0 | 0.8 | 0.9 | 1.5 | 18.0 | 625 | 1000 |
| 70 | 1.1 | 0.8 | 1.25 | 1.5 | 20.0 | 885 | 1000 |
| 95 | 1.1 | 0.8 | 1.25 | 1.6 | 22.0 | 1160 | 1000 |
| 120 | 1.2 | 0.8 | 1.25 | 1.6 | 23.0 | 1415 | 1000 |
| 150 | 1.4 | 1.0 | 1.6 | 1.7 | 26.0 | 1790 | 1000 |
| 185 | 1.6 | 1.0 | 1.6 | 1.8 | 28.0 | 2180 | 1000 |
| 240 | 1.7 | 1.0 | 1.6 | 1.8 | 31.0 | 2760 | 1000 |
| 300 | 1.8 | 1.0 | 1.6 | 1.9 | 34.0 | 3375 | 1000 |
| 400 | 2.0 | 1.2 | 2.0 | 2.0 | 38.0 | 4370 | 1000 |
| 500 | 2.2 | 1.2 | 2.0 | 2.1 | 42.0 | 5400 | 500 |
| 630 | 2.4 | 1.2 | 2.0 | 2.2 | 46.0 | 6915 | 500 |



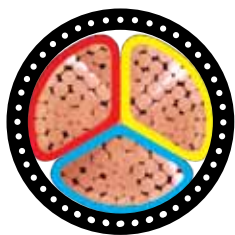
TWO CORE COPPER CONDUCTOR XLPE INSULATED LSZH SHEATHED ARMoured CABLES CU/XLPE/SWA/LSZH

CONSTRUCTION:-

| | | |
|---------------------|---|---|
| CONDUCTOR | : | Annealed Bare Copper Conductor, Solid/Stranded circular and Sector shaped as per BS 6360/IEC 60228 (Class – 2) |
| INSULATION | : | Extruded layer of cross-linked polyethylene. |
| CORE IDENTIFICATION | : | Red, Black or as per customer Requirement. |
| LAYING UP | : | The cores are laid with right hand lay. Where necessary synthetic fillers and used to maintain the circularity. |
| BEDDING | : | Shall consist of an extruded layer of LSZH compound. |
| ARMOUR | : | Consist of single layer of galvanized steel wires of appropriate size. |
| OVER SHEATH | : | Extruded layer of LSZH compound generally Black |
| DESIGN | : | The Cable confirm the requirement of BS 6724/IEC 60502 – 1. |

| Nominal Area of Conductor | Nominal Thickness of Insulation | Nominal Thickness of Extruded Bedding | Nominal Diameter of Armour Wire | Nominal Thickness of Outer Sheath | Approx. Overall Diameter | Approx. Cable Weight | Packing Length (Standard) |
|---------------------------|---------------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------|----------------------|---------------------------|
| mm ² | mm | mm | mm | mm | mm | kg/km | mtrs |
| 1.5 # | 0.6 | 0.8 | 0.9 | 1.3 | 12.5 | 265 | 1000 |
| 2.5 # | 0.7 | 0.8 | 0.9 | 1.4 | 14.0 | 310 | 1000 |
| 4 # | 0.7 | 0.8 | 0.9 | 1.4 | 15.0 | 380 | 1000 |
| 6 # | 0.7 | 0.8 | 0.9 | 1.4 | 16.0 | 455 | 1000 |
| 10 # | 0.7 | 0.8 | 0.9 | 1.5 | 18.0 | 610 | 1000 |
| 16 # | 0.7 | 0.8 | 1.25 | 1.5 | 20.0 | 830 | 1000 |
| 25 | 0.9 | 0.8 | 1.25 | 1.6 | 20.0 | 975 | 1000 |
| 35 | 0.9 | 1.0 | 1.6 | 1.7 | 23.0 | 1385 | 1000 |
| 50 | 1.0 | 1.0 | 1.6 | 1.8 | 25.0 | 1705 | 1000 |
| 70 | 1.1 | 1.0 | 1.6 | 1.9 | 28.0 | 2220 | 1000 |
| 95 | 1.1 | 1.2 | 2.0 | 2.0 | 32.0 | 3050 | 1000 |
| 120 | 1.2 | 1.2 | 2.0 | 2.1 | 34.0 | 3655 | 1000 |
| 150 | 1.4 | 1.2 | 2.0 | 2.2 | 38.0 | 4340 | 1000 |
| 185 | 1.6 | 1.4 | 2.5 | 2.4 | 42.0 | 5590 | 500 |
| 240 | 1.7 | 1.4 | 2.5 | 2.5 | 49.0 | 7080 | 500 |
| 300 | 1.8 | 1.6 | 2.5 | 2.6 | 53.0 | 8540 | 500 |
| 400 | 2.0 | 1.6 | 2.5 | 2.8 | 58.0 | 10475 | 500 |

Circular conductor.



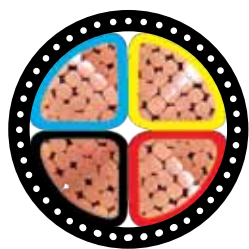
THREE CORE COPPER CONDUCTOR XLPE INSULATED LSZH SHEATHED ARMOURED CABLES CU/XLPE/SWA/LSZH

CONSTRUCTION:-

| | | |
|---------------------|---|---|
| CONDUCTOR | : | Annealed Bare Copper Conductor, solid/ Stranded circular or Sector shaped as per BS 6360/IEC 60228 (Class 2). |
| INSULATION | : | Extruded layer of cross-linked polyethylene. |
| CORE IDENTIFICATION | : | Red, Yellow, Blue or as per customer Requirement. |
| LAYING UP | : | The cores are laid with right hand lay. Where necessary synthetic fillers and used to maintain the circularity. |
| BEDDING | : | Shall consist of an extruded layer of LSZH compound. |
| ARMOUR | : | Consist of single layer of galvanized steel wires of appropriate size. |
| OVER SHEATH | : | Extruded layer of LSZH compound generally Black |
| DESIGN | : | The Cable confirm the requirement of BS 6724/IEC 60502 – 1. |

| Nominal Area of Conductor | Nominal Thickness of Insulation | Nominal Thickness of Extruded Bedding | Nominal Diameter of Armour Wire | Nominal Thickness of Outer Sheath | Approx. Overall Diameter | Approx. Cable Weight | Packing Length (Standard) |
|---------------------------|---------------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------|----------------------|---------------------------|
| mm ² | mm | mm | mm | mm | mm | kg/km | mtrs |
| 1.5 # | 0.6 | 0.8 | 0.9 | 1.3 | 13.0 | 295 | 1000 |
| 2.5 # | 0.7 | 0.8 | 0.9 | 1.4 | 14.0 | 350 | 1000 |
| 4 # | 0.7 | 0.8 | 0.9 | 1.4 | 15.0 | 435 | 1000 |
| 6 # | 0.7 | 0.8 | 0.9 | 1.4 | 17.0 | 530 | 1000 |
| 10 # | 0.7 | 0.8 | 1.25 | 1.5 | 19.0 | 825 | 1000 |
| 16 # | 0.7 | 0.8 | 1.25 | 1.6 | 21.0 | 1025 | 1000 |
| 25 | 0.9 | 1 | 1.6 | 1.7 | 23.0 | 1450 | 1000 |
| 35 | 0.9 | 1.0 | 1.6 | 1.8 | 25.0 | 1815 | 1000 |
| 50 | 1.0 | 1.0 | 1.6 | 1.8 | 28.0 | 2270 | 1000 |
| 70 | 1.1 | 1.0 | 1.6 | 1.9 | 32.0 | 3005 | 1000 |
| 95 | 1.1 | 1.2 | 2.0 | 2.1 | 36.0 | 4160 | 1000 |
| 120 | 1.2 | 1.2 | 2.0 | 2.2 | 40.0 | 5045 | 1000 |
| 150 | 1.4 | 1.4 | 2.5 | 2.3 | 45.0 | 6475 | 500 |
| 185 | 1.6 | 1.4 | 2.5 | 2.4 | 48.0 | 7705 | 500 |
| 240 | 1.7 | 1.4 | 2.5 | 2.6 | 54.0 | 9705 | 500 |
| 300 | 1.8 | 1.6 | 2.5 | 2.7 | 60.0 | 11845 | 500 |
| 400 | 2.0 | 1.6 | 2.5 | 2.9 | 64.0 | 14465 | 500 |

Circular conductor.



FOUR CORE COPPER CONDUCTOR XLPE INSULATED LSZH SHEATHED ARMOURED CABLES CU/XLPE/SWA/LSZH

CONSTRUCTION:-

| | | |
|---------------------|---|---|
| CONDUCTOR | : | Annealed Bare Copper Conductor, solid/Stranded circular or Sector shaped as per BS 6360/IEC 60228 (Class 2). |
| INSULATION | : | Extruded layer of cross-linked polyethylene. |
| CORE IDENTIFICATION | : | Red, Yellow, Blue, Black or as per customer Requirement. |
| LAYING UP | : | The cores are laid with right hand lay. Where necessary synthetic fillers and used to maintain the circularity. |
| BEDDING | : | Shall consist of an extruded layer of LSZH compound. |
| ARMOUR | : | Consist of single layer of galvanized steel wires of appropriate size. |
| OVER SHEATH | : | Extruded layer of LSZH compound generally Black |
| DESIGN | : | The Cable confirm the requirement of BS 6724/IEC 60502 – 1. |

| Nominal Area of Conductor | Nominal Thickness of Insulation | Nominal Thickness of Extruded Bedding | Nominal Diameter of Armour Wire | Nominal Thickness of Outer Sheath | Approx. Overall Diameter | Approx. Cable Weight | Packing Length (Standard) |
|---------------------------|---------------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------|----------------------|---------------------------|
| mm ² | mm | mm | mm | mm | mm | kg/km | mtrs |
| 1.5 # | 0.6 | 0.8 | 0.9 | 1.3 | 14.0 | 330 | 1000 |
| 2.5 # | 0.7 | 0.8 | 0.9 | 1.4 | 15.0 | 405 | 1000 |
| 4 # | 0.7 | 0.8 | 0.9 | 1.4 | 16.0 | 500 | 1000 |
| 6 # | 0.7 | 0.8 | 1.25 | 1.5 | 18.0 | 730 | 1000 |
| 10 # | 0.7 | 0.8 | 1.25 | 1.5 | 21.0 | 950 | 1000 |
| 16 # | 0.7 | 0.8 | 1.25 | 1.6 | 23.0 | 1230 | 1000 |
| 25 | 0.9 | 1 | 1.6 | 1.7 | 26.0 | 1835 | 1000 |
| 35 | 0.9 | 1.0 | 1.6 | 1.8 | 29.0 | 2285 | 1000 |
| 50 | 1.0 | 1.0 | 1.6 | 1.9 | 31.0 | 2845 | 1000 |
| 70 | 1.1 | 1.2 | 2 | 2.1 | 37.0 | 4115 | 1000 |
| 95 | 1.1 | 1.2 | 2.0 | 2.2 | 40.0 | 5280 | 1000 |
| 120 | 1.2 | 1.4 | 2.5 | 2.3 | 47.0 | 6910 | 500 |
| 150 | 1.4 | 1.4 | 2.5 | 2.4 | 51.0 | 8210 | 500 |
| 185 | 1.6 | 1.4 | 2.5 | 2.6 | 56.0 | 9980 | 500 |
| 240 | 1.7 | 1.6 | 2.5 | 2.7 | 62.0 | 12540 | 500 |
| 300 | 1.8 | 1.6 | 2.5 | 2.9 | 68.0 | 15160 | 500 |
| 400 | 2.0 | 1.8 | 3.15 | 3.2 | 78.0 | 19860 | 500 |

Circular conductor.



FIVE CORE COPPER CONDUCTOR XLPE INSULATED LSZH SHEATHED ARMoured CABLES CU/XLPE/SWA/LSZH

CONSTRUCTION:-

| | | |
|---------------------|---|---|
| CONDUCTOR | : | Annealed Bare Copper Conductor, solid/Stranded circular or shaped as per BS 6360/IEC 60228 (Class 2). |
| INSULATION | : | Extruded layer of cross-linked polyethylene. |
| CORE IDENTIFICATION | : | Red, Yellow, Blue, Black, Yellow-Green or as per customer Requirement. |
| LAYING UP | : | The cores are laid with right hand lay. Where necessary synthetic fillers used to maintain the circularity. |
| BEDDING | : | Shall consist of an extruded layer of LSZH compound. |
| ARMOUR | : | Consist of single layer of galvanized steel wires of appropriate size. |
| OVER SHEATH | : | Extruded layer of LSZH compound generally Black |
| DESIGN | : | The Cable confirm the requirement of BS 6724/ IEC 60502 – 1. |

| Nominal Area of Conductor | Nominal Thickness of Insulation | Nominal Thickness of Extruded Bedding | Nominal Diameter of Armour Wire | Nominal Thickness of Outer Sheath | Approx. Overall Diameter | Approx. Cable Weight for CU Cable | Packing Length (Standard) |
|---------------------------|---------------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------|-----------------------------------|---------------------------|
| mm ² | mm | mm | mm | mm | mm | kg/km | mtrs |
| 1.5 | 0.6 | 0.8 | 0.9 | 1.4 | 15.0 | 380 | 1000 |
| 2.5 | 0.7 | 0.8 | 0.9 | 1.4 | 16.0 | 460 | 1000 |
| 4 | 0.7 | 0.8 | 0.9 | 1.5 | 18.0 | 580 | 1000 |
| 6 | 0.7 | 0.8 | 1.25 | 1.5 | 20.0 | 845 | 1000 |
| 10 | 0.7 | 0.8 | 1.25 | 1.6 | 23.0 | 1125 | 1000 |
| 16 | 0.7 | 1.0 | 1.6 | 1.7 | 26.0 | 1640 | 1000 |
| 25 | 0.9 | 1.0 | 1.6 | 1.8 | 30.0 | 2285 | 1000 |
| 35 | 0.9 | 1.0 | 1.6 | 1.9 | 33.0 | 2865 | 1000 |
| 50 | 1.0 | 1.2 | 2.0 | 2.0 | 38.0 | 3935 | 1000 |
| 70 | 1.1 | 1.2 | 2.0 | 2.2 | 43.0 | 5240 | 500 |