

TECHNICAL DATA SHEET

LV CABLE WITH ALUMINIUM CONDUCTOR, XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured

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|--|--|----------------|----------------|----------------|
| STANDARD SPECIFICATION : | IEC 60502-1 | | | |
| TYPE OF CABLE : | AC2XABY - AL/XLPE/PVC/STA/PVC | | | |
| RATED VOLTAGE U ₀ /U V : | 600/1000 | | | |
| No OF CORES X NOM. X-SECTION MM 2 : | 4x6 RE | 4x10 RE | 4x16 RE | 4x25 RE |
| CONDUCTOR SHAPE : | RE – ROUND SOLID ALUMINIUM, CLASS 1, ACC TO IEC60228 | | | |
| TYPE OF INSULATION : | XLPE ACC. TO IEC 60502-1 | | | |
| NOM. THICKN. OF INSULATION MM : | 0.7 | 0.7 | 0.7 | 0.9 |
| CORE IDENTIFICATION : | 4 CORES: GREEN/YELLOW, BROWN , BLACK , GREY | | | |
| TYPE OF INNER SHEATH : | EXTRUDED PVC | | | |
| NOM THICKNESS OF INNER SHEATH MM: | 1.2 | 1.2 | 1.2 | 1.2 |
| TYPE OF ARMOUR: | DOUBLE STEEL TAPE (BARE STEEL TAPE) | | | |
| THICKNESS OF STEELTAPES MM: | 2 x 0.2 | 2 x 0.2 | 2 x 0.2 | 2 x 0.2 |
| TYPE OF OUTERSHEATH : | PVC TYPE ST2 ACC. TO IEC 60502-1, BLACK | | | |
| NOM. THICKNESS OF OUTERSHEATH MM : | 1.8 | 1.8 | 1.8 | 1.8 |
| APPR. OVERALL DIAMETER MM : | 16.5 | 18.0 | 20.0 | 24.0 |
| APPR. WEIGHT OF CABLE KG/KM : | 380 | 450 | 600 | 810 |
| DRUM LENGTH ± 5% M : | 1000 | 1000 | 1000 | 1000 |
| CONDUCTOR ELECTRICAL RESISTANCE at +20°C DC, MAX Ω/KM: | 4.61 | 3.08 | 1.91 | 1.20 |
| OPERATING TEMPERATURE ON CONDUCTOR, MAX °C : | + 90 | | | |
| MAX. SHORT-CIRCUIT TEMPERATURE, °C | +250 | | | |
| MIN. TEMPERATURE FOR LAYING AND MANIPULATION °C | - 5 (MEASURED ON CABLE SHEATH) | | | |
| TESTS: | ACC. TO IEC 60502-1 | | | |
| FLAME RETARDANCY : | ACC. TO IEC 60332-1 | | | |
| CABLE CODE: | 75104109114942 | 75104109214946 | 75104109314942 | 75104109414942 |

OUTERSHEATH MARKING: BY EMBOSSING OR INK (MANUFACTURER'S OPTION) AS FOLLOWS:

“ ●CABLEL 1324FC AC2XAbY 4x6* 0.6/1KV IEC 60502-1 2017** CE “

* NR. OF COND X CROSS-SECTION

** YEAR OF MANUFACTURE

AND METER MARKING BY INK EVERY 1M

| | | | |
|------------------|----------------|------------------------------|--------------|
| No.offer: | | Cable Engineering Department | |
| Date – Revision: | 21/09/2017 – 0 | Detailed by: | F.Pene |
| | | Approved by: | O. Avramescu |

TECHNICAL DATA SHEET

LV CABLE WITH ALUMINIUM CONDUCTOR, XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured

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|--|---|----------------|----------------|----------------|
| STANDARD SPECIFICATION : | IEC 60502-1 | | | |
| TYPE OF CABLE : | AC2XABY - AL/XLPE/PVC/STA/PVC | | | |
| RATED VOLTAGE U _o /U V : | 600/1000 | | | |
| No OF CORES X NOM. X-SECTION MM 2 : | 4x35 RE | 4x50 SE | 4x70 SE | 4x95 SE |
| CONDUCTOR SHAPE : | RE – ROUND SOLID ALUMINIUM, CLASS 1, ACC TO IEC 60228 SE – SECTORAL SOLID ALUMINIUM, CLASS 1, ACC TO IEC 60228 | | | |
| TYPE OF INSULATION : | XLPE ACC. TO IEC 60502-1 | | | |
| NOM. THICKN. OF INSULATION MM : | 0.9 | 1.0 | 1.1 | 1.1 |
| CORE IDENTIFICATION : | 4 CORES: GREEN/YELLOW, BROWN , BLACK , GREY | | | |
| TYPE OF INNER SHEATH : | EXTRUDED PVC | | | |
| NOM THICKNESS OF INNER SHEATH MM: | 1.2 | 1.2 | 1.2 | 1.2 |
| TYPE OF ARMOUR: | DOUBLE STEEL TAPE (BARE STEEL TAPE) | | | |
| THICKNESS OF STEELTAPES MM: | 2 x 0.2 | 2 x 0.2 | 2 x 0.2 | 2 x 0.5 |
| TYPE OF OUTERSHEATH : | PVC TYPE ST2 ACC. TO IEC 60502-1, BLACK | | | |
| NOM. THICKNESS OF OUTERSHEATH MM : | 1.8 | 1.9 | 2.0 | 2.3 |
| APPR. OVERALL DIAMETER MM : | 24.0 | 26.0 | 30.0 | 35.0 |
| APPR. WEIGHT OF CABLE KG/KM : | 830 | 1030 | 1360 | 2050 |
| DRUM LENGTH ± 5% M : | 1000 | 1000 | 1000 | 1000 |
| CONDUCTOR ELECTRICAL RESISTANCE at +20°C DC, MAX Ω/KM: | 0.868 | 0.641 | 0.443 | 0.320 |
| OPERATING TEMPERATURE ON CONDUCTOR, MAX °C : | + 90 | | | |
| MAX. SHORT-CIRCUIT TEMPERATURE, °C | +250 | | | |
| MIN. TEMPERATURE FOR LAYING AND MANIPULATION °C | - 5 (MEASURED ON CABLE SHEATH) | | | |
| TESTS: | ACC. TO IEC 60502-1 | | | |
| FLAME RETARDANCY : | ACC. TO IEC 60332-1 | | | |
| CABLE CODE: | 75104109524942 | 75104109624942 | 75104109724842 | 75104109824942 |

OUTERSHEATH MARKING: BY EMBOSING OR INK (MANUFACTURER'S OPTION) AS FOLLOWS:

“ ●CABLEL 1324FC AC2XAbY 4x35* 0.6/1KV IEC 60502-1 2017** CE “

* NR. OF COND X CROSS-SECTION

** YEAR OF MANUFACTURE

AND METER MARKING BY INK EVERY 1M

| | | | |
|------------------|----------------|------------------------------|--------------|
| No.offer: | | Cable Engineering Department | |
| Date – Revision: | 21/09/2017 – 0 | Detailed by: | F.Pene |
| | | Approved by: | O. Avramescu |

TECHNICAL DATA SHEET

LV CABLE WITH ALUMINIUM CONDUCTOR, XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured

| | | | | |
|--|---|----------------|----------------|----------------|
| STANDARD SPECIFICATION : | IEC 60502-1 | | | |
| TYPE OF CABLE : | AC2XABY - AL/XLPE/PVC/STA/PVC | | | |
| RATED VOLTAGE U _o /U V : | 600/1000 | | | |
| No OF CORES X NOM. X-SECTION MM 2 : | 4x120 SE | 4x150 SE | 4x185 SE | 4x240 SE |
| CONDUCTOR SHAPE : | SE – SECTORAL SOLID ALUMINIUM, CLASS 1, ACC TO IEC 60228 | | | |
| TYPE OF INSULATION : | XLPE ACC. TO IEC 60502-1 | | | |
| NOM. THICKN. OF INSULATION MM : | 1.2 | 1.4 | 1.6 | 1.7 |
| CORE IDENTIFICATION : | 4 CORES: GREEN/YELLOW, BROWN , BLACK , GREY | | | |
| TYPE OF INNER SHEATH : | EXTRUDED PVC | | | |
| NOM THICKNESS OF INNER SHEATH MM: | 1.2 | 1.2 | 1.4 | 1.6 |
| TYPE OF ARMOUR: | DOUBLE STEEL TAPE (BARE STEEL TAPE) | | | |
| THICKNESS OF STEELTAPES MM: | 2 x 0.5 | 2 x 0.5 | 2 x 0.5 | 2 x 0.5 |
| TYPE OF OUTERSHEATH : | PVC TYPE ST2 ACC. TO IEC 60502-1, BLACK | | | |
| NOM. THICKNESS OF OUTERSHEATH MM : | 2.3 | 2.6 | 2.6 | 2.9 |
| APPR. OVERALL DIAMETER MM : | 38.0 | 42.0 | 47.0 | 53.0 |
| APPR. WEIGHT OF CABLE KG/KM : | 2440 | 2930 | 3545 | 4470 |
| DRUM LENGTH ± 5% M : | 1000 | 1000 | 1000 | 1000 |
| CONDUCTOR ELECTRICAL RESISTANCE at +20°C DC, MAX Ω/KM: | 0.253 | 0.206 | 0.164 | 0.125 |
| OPERATING TEMPERATURE ON CONDUCTOR, MAX °C : | + 90 | | | |
| MAX. SHORT-CIRCUIT TEMPERATURE, °C | +250 | | | |
| MIN. TEMPERATURE FOR LAYING AND MANIPULATION °C | - 5 (MEASURED ON CABLE SHEATH) | | | |
| TESTS: | ACC. TO IEC 60502-1 | | | |
| FLAME RETARDANCY : | ACC. TO IEC 60332-1 | | | |
| CABLE CODE: | 75104109924942 | 75104110024935 | 75104110124935 | 75104110224935 |

OUTERSHEATH MARKING: BY EMBOSSING OR INK (MANUFACTURER'S OPTION) AS FOLLOWS:

“ ●CABLEL 1324FC AC2XAbY 4x120* 0.6/1KV IEC 60502-1 2017** CE “

* NR. OF COND X CROSS-SECTION

** YEAR OF MANUFACTURE

AND METER MARKING BY INK EVERY 1M

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| No.offer: | | Cable Engineering Department | |
| Date – Revision: | 21/09/2017 – 0 | Detailed by: | F.Pene |
| | | Approved by: | O. Avramescu |

TECHNICAL DATA SHEET

LV CABLE WITH ALUMINIUM CONDUCTOR, XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured

| | | | | |
|--|---|----------------|----------------|----------------|
| STANDARD SPECIFICATION : | IEC 60502-1 | | | |
| TYPE OF CABLE : | AC2XABY - AL/XLPE/PVC/STA/PVC | | | |
| RATED VOLTAGE U ₀ /U V : | 600/1000 | | | |
| No OF CORES X NOM. X-SECTION MM 2 : | 3x25+16 RE | 3x35SE+16RE | 3x50SE+25RE | 3x70+35 SE |
| CONDUCTOR SHAPE : | RE – ROUND SOLID ALUMINIUM, CLASS 1, ACC TO IEC 60228 SE – SECTORAL SOLID ALUMINIUM, CLASS 1, ACC TO IEC 60228 | | | |
| TYPE OF INSULATION : | XLPE ACC. TO IEC 60502-1 | | | |
| NOM. THICKN. OF INSULATION MM : | 0.9 / 0.7 | 0.9 / 0.7 | 1.0 / 0.9 | 1.1 / 0.9 |
| CORE IDENTIFICATION : | 4 CORES: GREEN/YELLOW, BROWN , BLACK , GREY | | | |
| TYPE OF INNER SHEATH : | EXTRUDED PVC | | | |
| NOM THICKNESS OF INNER SHEATH MM: | 1.2 | 1.2 | 1.2 | 1.2 |
| TYPE OF ARMOUR: | DOUBLE STEEL TAPE (BARE STEEL TAPE) | | | |
| THICKNESS OF STEELTAPES MM: | 2 x 0.2 | 2 x 0.2 | 2 x 0.2 | 2 x 0.2 |
| TYPE OF OUTERSHEATH : | PVC TYPE ST2 ACC. TO IEC 60502-1, BLACK | | | |
| NOM. THICKNESS OF OUTERSHEATH MM : | 1.8 | 1.8 | 1.9 | 2.0 |
| APPR. OVERALL DIAMETER MM : | 23.0 | 24.0 | 27.0 | 31.0 |
| APPR. WEIGHT OF CABLE KG/KM : | 750 | 770 | 975 | 1265 |
| DRUM LENGTH ± 5% M : | 1000 | 1000 | 1000 | 1000 |
| CONDUCTOR ELECTRICAL RESISTANCE at +20°C DC, MAX Ω/KM: | 1.2 / 1.91 | 0.868 / 1.91 | 0.641 / 1.2 | 0.443 / 0.868 |
| OPERATING TEMPERATURE ON CONDUCTOR, MAX °C : | + 90 | | | |
| MAX. SHORT-CIRCUIT TEMPERATURE, °C | +250 | | | |
| MIN. TEMPERATURE FOR LAYING AND MANIPULATION °C | - 5 (MEASURED ON CABLE SHEATH) | | | |
| TESTS: | ACC. TO IEC 60502-1 | | | |
| FLAME RETARDANCY : | ACC. TO IEC 60332-1 | | | |
| CABLE CODE: | 75104155014942 | 75104155224942 | 75104155524942 | 75104155924942 |

OUTERSHEATH MARKING: BY EMBOSING OR INK (MANUFACTURER'S OPTION) AS FOLLOWS:

“ ●CABLEL 1324FC AC2XAbY 3x25+16* 0.6/1KV IEC 60502-1 2017** CE “

* NR. OF COND X CROSS-SECTION

** YEAR OF MANUFACTURE

AND METER MARKING BY INK EVERY 1M

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| No.offer: | | Cable Engineering Department | |
| Date – Revision: | 21/09/2017 – 0 | Detailed by: | F.Pene |
| | | Approved by: | O. Avramescu |

TECHNICAL DATA SHEET

LV CABLE WITH ALUMINIUM CONDUCTOR, XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured

| | | | | |
|--|---|----------------|----------------|----------------|
| STANDARD SPECIFICATION : | IEC 60502-1 | | | |
| TYPE OF CABLE : | AC2XABY - AL/XLPE/PVC/STA/PVC | | | |
| RATED VOLTAGE U ₀ /U V : | 600/1000 | | | |
| No OF CORES X NOM. X-SECTION MM 2 : | 3x95+50 SE | 3x120+70 SE | 3x150+70 SE | 3x185+95 SE |
| CONDUCTOR SHAPE : | SE – SECTORAL SOLID ALUMINIUM, CLASS 1, ACC TO IEC 60228 | | | |
| TYPE OF INSULATION : | XLPE ACC. TO IEC 60502-1 | | | |
| NOM. THICKN. OF INSULATION MM : | 1.1 / 1.0 | 1.2 / 1.1 | 1.4 / 1.1 | 1.6 / 1.1 |
| CORE IDENTIFICATION : | 4 CORES: GREEN/YELLOW, BROWN , BLACK , GREY | | | |
| TYPE OF INNER SHEATH : | EXTRUDED PVC | | | |
| NOM THICKNESS OF INNER SHEATH MM: | 1.2 | 1.3 | 1.4 | 1.4 |
| TYPE OF ARMOUR: | DOUBLE STEEL TAPE (BARE STEEL TAPE) | | | |
| THICKNESS OF STEELTAPES MM: | 2 x 0.2 | 2 x 0.5 | 2 x 0.5 | 2 x 0.5 |
| TYPE OF OUTERSHEATH : | PVC TYPE ST2 ACC. TO IEC 60502-1, BLACK | | | |
| NOM. THICKNESS OF OUTERSHEATH MM : | 2.2 | 2.3 | 2.4 | 2.6 |
| APPR. OVERALL DIAMETER MM : | 34.0 | 39.0 | 42.0 | 47.0 |
| APPR. WEIGHT OF CABLE KG/KM : | 1610 | 2340 | 2700 | 3280 |
| DRUM LENGTH ± 5% M : | 1000 | 1000 | 1000 | 500 |
| CONDUCTOR ELECTRICAL RESISTANCE at +20°C DC, MAX Ω/KM: | 0.320 / 0.641 | 0.253 / 0.443 | 0.206 / 0.443 | 0.164 / 0.320 |
| OPERATING TEMPERATURE ON CONDUCTOR, MAX °C : | + 90 | | | |
| MAX. SHORT-CIRCUIT TEMPERATURE, °C | +250 | | | |
| MIN. TEMPERATURE FOR LAYING AND MANIPULATION °C | - 5 (MEASURED ON CABLE SHEATH) | | | |
| TESTS: | ACC. TO IEC 60502-1 | | | |
| FLAME RETARDANCY : | ACC. TO IEC 60332-1 | | | |
| CABLE CODE: | 75104156324942 | 75104156624842 | 75104156824942 | 75104157224935 |

OUTERSHEATH MARKING: BY EMBOSING OR INK (MANUFACTURER'S OPTION) AS FOLLOWS:

“ ●CABLEL 1324FC AC2XAbY 3x95+50* 0.6/1KV IEC 60502-1 2017** CE “

* NR. OF COND X CROSS-SECTION

** YEAR OF MANUFACTURE

AND METER MARKING BY INK EVERY 1M

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| | | Approved by: | O. Avramescu |

TECHNICAL DATA SHEET

LV CABLE WITH ALUMINIUM CONDUCTOR, XLPE INSULATED AND PVC SHEATHED, STEEL TAPE ARMoured

| | |
|---|---|
| STANDARD SPECIFICATION : | IEC 60502-1 |
| TYPE OF CABLE : | AC2XABY - AL/XLPE/PVC/STA/PVC |
| RATED VOLTAGE Uo/U V : | 600/1000 |
| No OF CORES X NOM. X-SECTION MM 2 : | 3x240+120 SE |
| CONDUCTOR SHAPE : | SE – SECTORAL SOLID ALUMINIUM, CLASS 1, ACC TO IEC 60228 |
| TYPE OF INSULATION : | XLPE ACC. TO IEC 60502-1 |
| NOM. THICKN. OF INSULATION MM : | 1.7 / 1.2 |
| CORE IDENTIFICATION : | 4 CORES: GREEN/YELLOW, BROWN , BLACK , GREY |
| TYPE OF INNER SHEATH : | EXTRUDED PVC |
| NOM THICKNESS OF INNER SHEATH MM: | 1.6 |
| TYPE OF ARMOUR: | DOUBLE STEEL TAPE (BARE STEEL TAPE) |
| THICKNESS OF STEELTAPES MM: | 2 x 0.5 |
| TYPE OF OUTERSHEATH : | PVC TYPE ST2 ACC. TO IEC 60502-1, BLACK |
| NOM. THICKNESS OF OUTERSHEATH MM : | 2.8 |
| APPR. OVERALL DIAMETER MM : | 53.0 |
| APPR. WEIGHT OF CABLE KG/KM : | 4090 |
| DRUM LENGTH ± 5% M : | 500 |
| CONDUCTOR ELECTRICAL RESISTANCE at +20°C DC, MAX Ω/KM: | 0.125 / 0.253 |
| OPERATING TEMPERATURE ON CONDUCTOR, MAX °C : | + 90 |
| MAX. SHORT-CIRCUIT TEMPERATURE, °C | +250 |
| MIN. TEMPERATURE FOR LAYING AND MANIPULATION °C | - 5 (MEASURED ON CABLE SHEATH) |
| TESTS: | ACC. TO IEC 60502-1 |
| FLAME RETARDANCY : | ACC. TO IEC 60332-1 |
| CABLE CODE: | 75104157624935 |

OUTERSHEATH MARKING: BY EMBOSSING OR INK (MANUFACTURER'S OPTION) AS FOLLOWS:

“ ●CABLEL 1324FC AC2XAbY 3x240+120* 0.6/1KV IEC 60502-1 2017** CE “

* NR. OF COND X CROSS-SECTION

** YEAR OF MANUFACTURE

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