



**SCREENED MEDIUM-VOLTAGE ABC**

IEC 60502-2

7 orderable sizes

|   |                                    |   |
|---|------------------------------------|---|
| <b>STANDARD</b><br>IEC 60502-2                        | <b>VOLTAGE CLASS</b><br>6.35/11 kV | <b>CONDUCTOR</b><br>35 mm <sup>2</sup> aluminium, 50 mm <sup>2</sup> aluminium, 70 mm <sup>2</sup> aluminium, 95 mm <sup>2</sup> aluminium, 120 mm <sup>2</sup> aluminium, 150 mm <sup>2</sup> aluminium, 185 mm <sup>2</sup> aluminium |
| <b>INSULATION / JACKET</b><br>Black HDPE outer sheath |                                    |   |

**Construction**

- 1  **Conductor (per core)** – Class 2 stranded aluminium conductor
- 2  **Core insulation** – XLPE insulation with semi-conductive screens · Wall XLPE insulation with semi-conductive screens mm
- 3  **Shield** – Foil shield (B)

**Size selection — all available cross-sections**

| Cable reference   | Voltage class | Bundle layout               | Phase conductor                                       | Neutral / messenger                                   | Insulation                                   | Screen / support                           | Max DC resistance at 20 °C | Bundle OD guide | Weight guide |
|---|---------------|-----------------------------|---|---|--|--|----------------------------|-----------------|--------------|
| IEC 60502-2 screened MV ABC 6.35/11 kV 3 phase + support conductor 35 mm <sup>2</sup> 25 mm <sup>2</sup> galvanised steel support conductor | 6.35/11 kV    | 3 phase + support conductor | 35 mm <sup>2</sup> stranded aluminium phase conductor | 25 mm <sup>2</sup> galvanised steel support conductor | XLPE insulation with semi-conductive screens | Copper wire or copper tape metallic screen | 0.868 Ω/km                 | 53 mm           | 2.86 kg/m    |
| IEC 60502-2 screened MV ABC 6.35/11 kV 3 phase + support conductor 50 mm <sup>2</sup> 25 mm <sup>2</sup> galvanised steel support conductor | 6.35/11 kV    | 3 phase + support conductor | 50 mm <sup>2</sup> stranded aluminium phase conductor | 25 mm <sup>2</sup> galvanised steel support conductor | XLPE insulation with semi-conductive screens | Copper wire or copper tape metallic screen | 0.641 Ω/km                 | 55 mm           | 3.07 kg/m    |
| IEC 60502-2 screened MV ABC 6.35/11 kV 3 phase + support conductor 70 mm <sup>2</sup> 25 mm <sup>2</sup> galvanised steel support conductor | 6.35/11 kV    | 3 phase + support conductor | 70 mm <sup>2</sup> stranded aluminium phase conductor | 25 mm <sup>2</sup> galvanised steel support conductor | XLPE insulation with semi-conductive screens | Copper wire or copper tape metallic screen | 0.443 Ω/km                 | 58 mm           | 3.33 kg/m    |
| IEC 60502-2 screened MV ABC 6.35/11 kV 3 phase + support conductor 95 mm <sup>2</sup> 50 mm <sup>2</sup> galvanised                         | 6.35/11 kV    | 3 phase + support           | 95 mm <sup>2</sup> stranded                           | 50 mm <sup>2</sup> galvanised                         | XLPE insulation                              | Copper wire or                             | 0.320 Ω/km                 | 61 mm           | 3.75 kg/m    |

| Cable reference   | Voltage class | Bundle layout               | Phase conductor  | Neutral / messenger                                   | Insulation                                   | Screen / support                           | Max DC resistance at 20 °C | Bundle OD guide | Weight guide |
|---|---------------|-----------------------------|--|---|--|--|----------------------------|-----------------|--------------|
| phase + support conductor 95 mm <sup>2</sup><br>50 mm <sup>2</sup> galvanised steel support conductor   |               | conductor                   | aluminium phase conductor                              | steel support conductor                               | with semi-conductive screens                 | copper tape metallic screen                |                            |                 |              |
| IEC 60502-2 screened MV ABC 6.35/11 kV 3 phase + support conductor 120 mm <sup>2</sup><br>50 mm <sup>2</sup> galvanised steel support conductor | 6.35/11 kV    | 3 phase + support conductor | 120 mm <sup>2</sup> stranded aluminium phase conductor | 50 mm <sup>2</sup> galvanised steel support conductor | XLPE insulation with semi-conductive screens | Copper wire or copper tape metallic screen | 0.253 Ω/km                 | 64 mm           | 4.09 kg/m    |
| IEC 60502-2 screened MV ABC 6.35/11 kV 3 phase + support conductor 150 mm <sup>2</sup><br>50 mm <sup>2</sup> galvanised steel support conductor | 6.35/11 kV    | 3 phase + support conductor | 150 mm <sup>2</sup> stranded aluminium phase conductor | 50 mm <sup>2</sup> galvanised steel support conductor | XLPE insulation with semi-conductive screens | Copper wire or copper tape metallic screen | 0.206 Ω/km                 | 66 mm           | 4.50 kg/m    |
| IEC 60502-2 screened MV ABC 6.35/11 kV 3 phase + support conductor 185 mm <sup>2</sup><br>50 mm <sup>2</sup> galvanised steel support conductor | 6.35/11 kV    | 3 phase + support conductor | 185 mm <sup>2</sup> stranded aluminium phase conductor | 50 mm <sup>2</sup> galvanised steel support conductor | XLPE insulation with semi-conductive screens | Copper wire or copper tape metallic screen | 0.164 Ω/km                 | 69 mm           | 4.97 kg/m    |