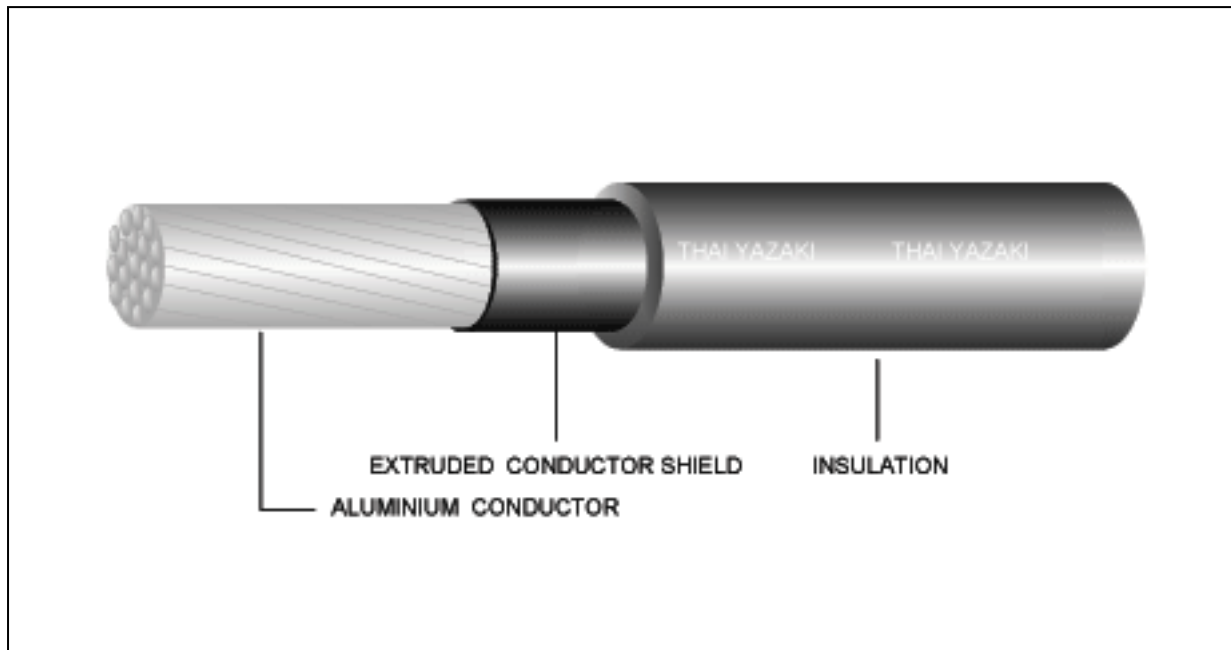


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## 24 KV-OC

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### CROSS – LINKED POLYETHYLENE PARTIAL INSULATED ALL ALUMINIUM CABLE



#### CABLE STRUCTURE

|                                 |  |
|---------------------------------|--|
| <b>NUMBER OF CORE CONDUCTOR</b> | : Single Core<br>: Compact round stranded hard drawn aluminum conductor,<br>: Sizes 35 mm <sup>2</sup> up to 185 mm <sup>2</sup> |
| <b>INSULATION</b>               | : Cross-linked polyethylene (XLPE)<br>: Color: Black   |
| <b>CLASSIFICATION</b>           | : Maximum conductor temperature 90°C<br>: Circuit voltage not exceeding 24,000 volts   |
| <b>TESTING VOLTAGE</b>          | : 11,000 volts   |
| <b>REFERENCE</b>                | : ICEA S-66-524  |

## 24 KV-OC

| Number Of core | Nominal Cross Sectional area (mm <sup>2</sup> ) | Number Of stranded | Diameter of Conductor approx. (mm) | Insulation Thickness (mm) | Approx. Overall diameter (mm) | Maximum conductor resistance at 20 °C (Ω-Km) | Minimum Insulation resistance at 15.6 °C (MΩ-Km) | Maximum continuous current rating in free air (Ampere) | Breaking Strength (N) | Cable weight (approx.) (Kg/Km) | Standard length (m) |
|----------------|---|--------------------|------------------------------------|---------------------------|-------------------------------|--|--|--|-----------------------|--------------------------------|---------------------|
| 1              | 35  | 6                  | 7.05                               | 1.8                       | 12.0                          | 0.868  | 900  | 140  | 5,591                 | 170                            | 1,000/D             |
|                | 50  | 6                  | 8.11                               | 2.2                       | 14.0                          | 0.641  | 880  | 170  | 7,313                 | 220                            | 1,000/D             |
|                | 70  | 12                 | 9.73                               | 2.1                       | 15.0                          | 0.443  | 800  | 215  | 10,420                | 290                            | 1,000/D             |
|                | 95  | 15                 | 11.43                              | 2.5                       | 18.0                          | 0.320  | 750  | 270  | 14,098                | 400                            | 1,000/D             |
|                | 120   | 15                 | 13.05                              | 2.6                       | 19.5                          | 0.253  | 700  | 310  | 18,518                | 190                            | 1,000/D             |
|                | 150   | 15                 | 14.37                              | 2.6                       | 21.0                          | 0.206  | 650  | 355  | 22,457                | 550                            | 1,000/D             |
|                | 185   | 30                 | 16.08                              | 2.55                      | 23.0                          | 0.164  | 600  | 410  | 28,974                | 700                            | 1,000/D             |

D : PACKING IN DRUM.