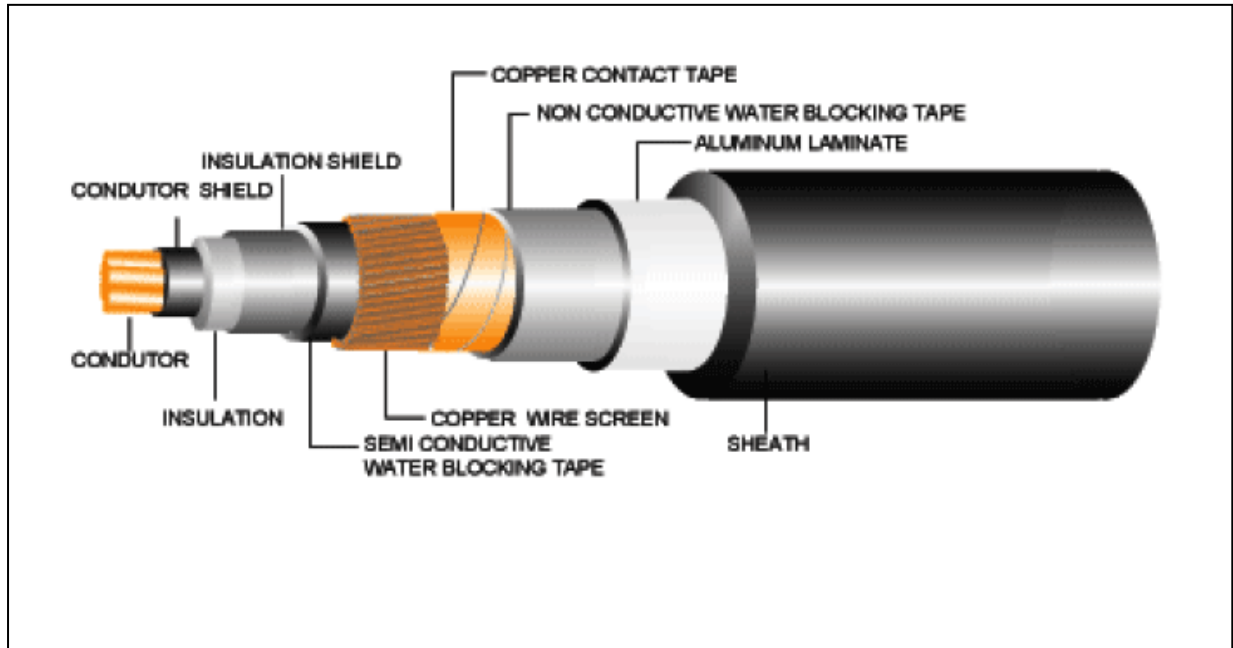


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# 115 KV-CE (CU. WIRE SCREEN)

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## 115 KV 90° C CROSS-LINK POLYETHYLENE INSULATED WITH COPPER WIRE SCREEN AND POLYETHYLENE JACKETED POWER CABLE



### CABLE STRUCTURE

|                        |  |
|------------------------|--|
| <b>NUMBER OF CORE</b>  | : Single core  |
| <b>CONDUCTOR</b>       | : Compact concentric stranded uncoated annealed Copper conductor |
| <b>INSULATION</b>      | : Cross-linked polyethylene<br>Color: Natural                    |
| <b>SHEATHED</b>        | : Polyethylene   |
| <b>TESTING VOLTAGE</b> | : 160,000 Volts  |
| <b>CLASSIFICATION</b>  | : Maximum conductor temperature 90 °C                            |
| <b>REFERENCE</b>       | : IEC 60840: 1999  |

# 115 KV-CE (CU.WIRE SCREEN)

IEC 60840 Standard

| No. Of Cores | Size<br>(mm <sup>2</sup> ) | Conductor Strands<br>min | Conductor diameter approx.<br>mm | Conductor shield thickness nominal<br>mm | Insulation thickness nominal<br>mm | Insulation Shield thickness nominal<br>mm | Copper wire area<br>mm <sup>2</sup> | Jacket thickness nominal<br>mm | Overall diameter approx.<br>mm | Maximum Conductor Resistance at 20 °C<br>(Ω /Km) | Maximum Current Rating In ground<br>(ampere) | weight of cable (approx.)<br>(kg/km) | Standard packing length<br>m |
|--------------|----------------------------|--------------------------|----------------------------------|--|------------------------------------|---|-------------------------------------|--------------------------------|--------------------------------|--|--|--------------------------------------|------------------------------|
| 1            | 400/95                     | 53                       | 23.5                             | 1.5                                      | 16.0                               | 1.5                                       | 95                                  | 3.5                            | 76                             | 0.0470   | 690  | 8,000                                | 300                          |
|              | 500/95                     | 53                       | 26.7                             | 1.5                                      | 16.0                               | 1.5                                       | 95                                  | 3.6                            | 80                             | 0.0366   | 785  | 9,000                                | 300                          |
|              | 630/120                    | 53                       | 30.3                             | 1.5                                      | 16.0                               | 1.5                                       | 120                                 | 3.7                            | 84                             | 0.0283   | 895  | 11,000                               | 300                          |
|              | 800/120                    | 53                       | 34.1                             | 1.5                                      | 16.0                               | 1.5                                       | 120                                 | 3.9                            | 88                             | 0.0221   | 1010   | 13,000                               | 300                          |

D : Packing in drum

