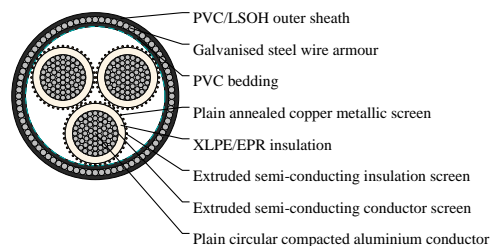




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6.35/11kV Three Core Individual Screened & PVC/SWA/PVC Sheathed (Al Conductor) 3C300



| Non-Cross-Section Area | Max. DC Resistance @20°C | Conduct AC Resistance @50Hz and 90°C | Inductive reactance @50Hz | Insulation Resistance @20°C | Conductance to screen capacitance | Max. dielectric stress | Charging current per phase | Dielectric loss per phase | Screen DC resistance at 20°C | Armour DC resistance at 20°C | Zero sequence resistance at 20°C | Zero seq. react. at 50Hz |
|------------------------|--------------------------|--------------------------------------|---------------------------|-----------------------------|-----------------------------------|------------------------|----------------------------|---------------------------|------------------------------|------------------------------|----------------------------------|--------------------------|
|------------------------|--------------------------|--------------------------------------|---------------------------|-----------------------------|-----------------------------------|------------------------|----------------------------|---------------------------|------------------------------|------------------------------|----------------------------------|--------------------------|



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| mm ² | Ohm/ km | Ohm/ km | Ohm/M km | MegOhm.k | μF × km | kV × mm | A × km | W × km | Ohm/ km | Ohm/ km | Ohm/ km | Ohm/ km |
|-----------------|------------|------------|-------------|----------|------------|------------|--------|-----------|------------|------------|------------|------------|
| 300 | 0.1 | 0.13 | 0.091 | 4900 | 0.0491 | 2.11 | 0.98 | 24.9 | 0.266 | 0.28 | 0.51 | 0.0441 |

DIMENSION AND PARAMETERS

| Nominal Cross- sectional Area | Conductor Diameter | Nominal Insulation Thickness | Nominal Diameter over Insulation | Nominal Dia. over Bedding | Screen Area on Each core | No. Diameter of Screened Wires | Nominal Armour Wire Diameter | Diameter under Armour | Nom. Diameter Over Screened Wires | Nom. Overall Diameter | Approx. Weight |
|--|-----------------------|------------------------------------|---|------------------------------------|-----------------------------------|--|---------------------------------------|-----------------------------|---|-----------------------------|-------------------|
| mm ² | mm | mm | mm | mm | mm ² | no x mm | mm | mm | mm | mm | kg/km |
| 300 | 20.1 | 3.4 | 28.3 | 72.6 | 68.1 | 40x0.85 | 3.15 | 78.9 | 31.6 | 86.6 | 1110 |