

## DSM Products

### DSM TYPES AAR, DAAR, AWAR, DAWAR, SAR ARMOR ROD TYPES LG and DLG LINE GUARD

#### PROTECTION

Armor rods are recommended for the protection of conductors at the point of suspension or support. They protect conductors for line angles up to 30 degree. Armor rods fit tightly in the suspension clamps and prevent the bending of conductors. Protection of overhead conductors depends upon line design, exposure to wind, extension and vibration, which create mechanical strains through each strand.

The attachment and suspension points of heavy fittings are first to be damage because of the concentration of mechanical strain in these areas. The application of armor rods decreases the strains and extends the life of the conductor, particularly where the conductor endures extreme condition.

Shorter line guards are used as minimum protection where conductors are hands tied to and supported by insulator.

#### Restorative Repair

Armor rods can be used to restore conductivity and strength to the conductor where the damage does not exceed 50% of the combine damage to the outer and inner layers (excluding steel core) and where they are located at suspension point, attachment point or within the midspan area.

These products are made from the same grade material as the conductor to whom they are applied.

They are supplied with:

- Set of individual rods with a label showing:
  - \* Product name and reference
  - \* Lay direction
  - \* min/max diameters of the conductor to which it is applied.
- A color code and cross over mark indicating starting point for application.

#### Note

Lay direction of the Armor rod must be the same as that of the outer stranding of the conductor to which it is applied.

#### Ordering Information

When ordering, please specify:

- Conductor type, straining, outside diameter and lay direction.

#### Outside diameter calculation:

The overall outside diameter is computed as follows:

(Rod diameter X 2) + conductor diameter = Total applied diameter