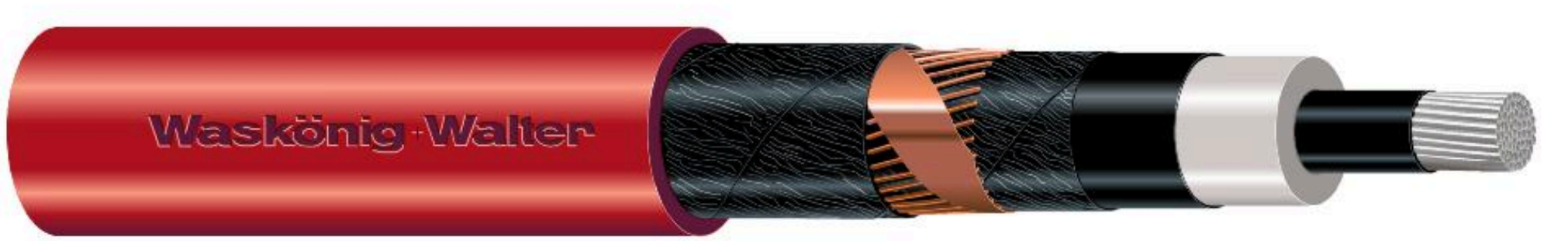


**Power cable**  
Medium-voltage cable, XLPE insulated, aluminium conductor, PVC outersheath

**YHAKXS 20kV**  
12/20 kV



| Characteristics             | Properties         | Unit |
|-----------------------------|--------------------|------|
| Conductor material          | Aluminium          |      |
| Conductor surface           | Bare               |      |
| Conductor category          | Class 2 = stranded |      |
| Shape of conductor          | Round              |      |
| Number of cores             | 1                  | Stck |
| Core identification         | None               |      |
| Laminated sheath            | No                 |      |
| Fibre optic elements        | No                 |      |
| Protective conductor        | No                 |      |
| Inner semi-conducting layer | Yes                |      |
| Outer semi-conducting layer | Yes                |      |
| Screen                      | Yes                |      |

| Characteristics                                                      | Properties               | Unit      |
|----------------------------------------------------------------------|--------------------------|-----------|
| Concentric conductor                                                 | None                     |           |
| Armouring                                                            | No                       |           |
| Material outer sheath                                                | Polyvinyl chloride (PVC) |           |
| Specification material outer sheath                                  | Other                    |           |
| Colour outer sheath                                                  | Red                      |           |
| Conductive coating                                                   | No                       |           |
| Longitudinal water blocking conductors                               | No                       |           |
| Longitudinal water blocking screen                                   | No                       |           |
| Reaction-to-fire according to EN 13501-6: Class                      | Fca                      |           |
| Halogen free (acc. EN 60754-1/2)                                     | No                       |           |
| Flame retardant                                                      | No                       |           |
| Low smoke (acc. EN 61034-2)                                          | No                       |           |
| Max. conductor temperature                                           | 90                       | °C        |
| Permitted cable outer temperature during assembling/handling         | 5 <=> 70                 | °C        |
| Permitted cable outer temperature after assembling without vibration | 20 <=> 70                | °C        |
| Nominal voltage U0                                                   | 12                       | kV        |
| Nominal voltage U                                                    | 20                       | kV        |
| max. short circuit temperature                                       | 250                      | °C        |
| Insulation                                                           | XLPE (VPE)               |           |
| Minimum bending radius                                               | 15                       | x Außen-Ø |

| Product                                  |                                                     |                                |                   | Packaging  |                          |                    |
|------------------------------------------|-----------------------------------------------------|--------------------------------|-------------------|------------|--------------------------|--------------------|
| Nominal cross section conductor (in mm²) | Nominal cross section concentric conductor (in mm²) | Outer diameter approx. (in mm) | Weight (in kg/km) | Packing    | Individual length (in m) | Net weight (in kg) |
| 70                                       | 25                                                  | 32                             | 1,046.2           | Ring, Drum | Cut length               | 1,046              |
| 120                                      | 50                                                  | 35                             | 1,526             | Ring, Drum | Cut length               | 1,526              |
| 240                                      | 50                                                  | 40                             | 2,004.6           | Ring, Drum | Cut length               | 2,005              |