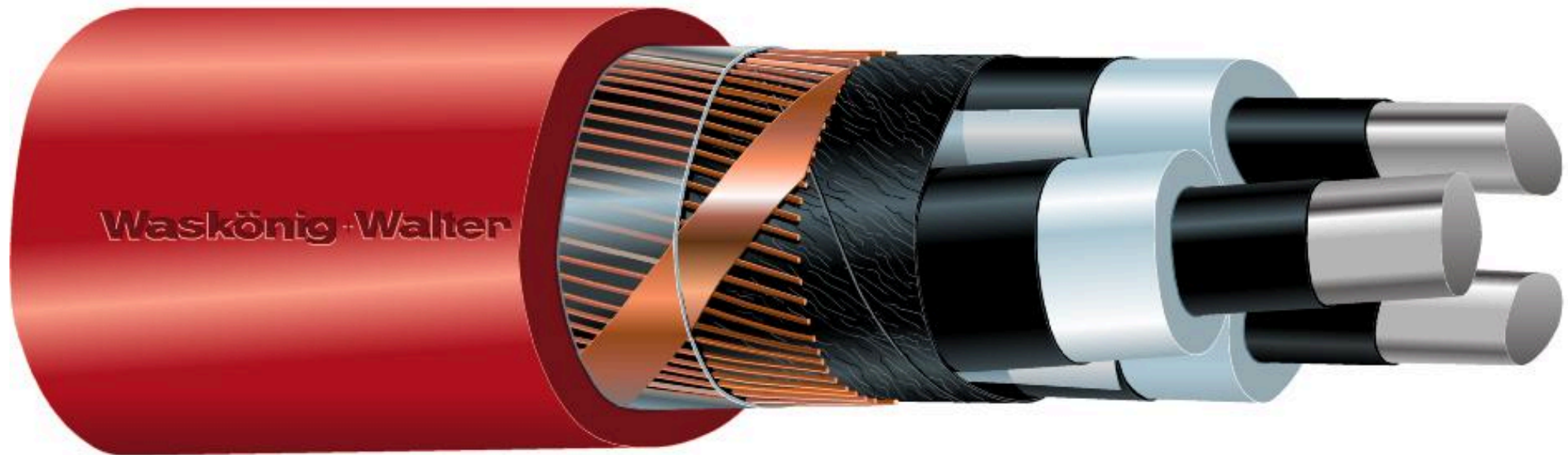


Power cable

Medium-voltage cable, XLPE insulated, aluminium conductor, PE outersheath

PEX-S-AL 12kV

6/10 kV



According to HD 620 part 6D.

| Characteristics | Properties | Unit |
|--------------------|-----------------|------|
| Conductor material | Aluminium | |
| Conductor surface | Bare | |
| Conductor category | Class 1 = solid | |
| Shape of conductor | Sector-shaped | |
| Number of cores | 3 | Stck |

| Characteristics | Properties | Unit |
|--|-------------------|-----------|
| Core identification according to HD 308 S2 | No | |
| Core identification | Numbers | |
| Laminated sheath | No | |
| Fibre optic elements | No | |
| Protective conductor | No | |
| Inner semi-conducting layer | Yes | |
| Outer semi-conducting layer | Yes | |
| Screen | Yes | |
| Concentric conductor | None | |
| Armouring | No | |
| Material outer sheath | Polyolefin | |
| Specification material outer sheath | Polyethylene (PE) | |
| Colour outer sheath | Red | |
| Conductive coating | No | |
| Longitudinal water blocking conductors | Yes | |
| Longitudinal water blocking screen | No | |
| Reaction-to-fire according to EN 13501-6: Class | Fca | |
| Halogen free (acc. EN 60754-1/2) | Yes | |
| Flame retardant | No | |
| Low smoke (acc. EN 61034-2) | No | |
| Max. conductor temperature | 90 | °C |
| Permitted cable outer temperature during assembling/handling | -20 <=> 70 | °C |
| Nominal voltage U0 | 6 | kV |
| Nominal voltage U | 10 | kV |
| max. short circuit temperature | 250 | °C |
| Insulation | XLPE (VPE) | |
| Minimum bending radius | 10 | x Außen-Ø |

| Characteristics | Properties | Unit |
|--|------------|-----------------|
| Nominal cross section concentric conductor | 25 | mm ² |

| Product | | | | Packaging | | |
|---|--|--------------------------------|-------------------|------------|--------------------------|--------------------|
| Nominal cross section conductor (in mm ²) | Min. permitted bending radius, stationary application/permanent installation (in mm) | Outer diameter approx. (in mm) | Weight (in kg/km) | Packing | Individual length (in m) | Net weight (in kg) |
| 50 | 440 | 45 | 1,550.6 | Ring, Drum | Cut length | 1,551 |
| 95 | 500 | 50 | 2,194.9 | Ring, Drum | Cut length | 2,195 |
| 150 | 550 | 55 | 2,812.7 | Ring, Drum | Cut length | 2,813 |
| 240 | 620 | 62 | 3,937.6 | Ring, Drum | Cut length | 3,938 |