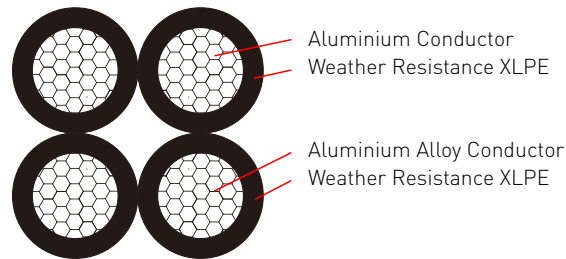


AL/XLPE

Aerial bundled conductor 0.6/1kV.

Standards: SANS 1418-1, SANS 1418-2



Technical date

Temperature range:

During installation(ambient): 0°C~+50°C

During operation(ambient): -15°C~+50°C

Maximum conductor temperature in normal use: 90°C

Maximum conductor temperature at short circuit of 5s: 250°C

Rated voltage U₀/U: 0.6/1kV

Test voltage and duration: 4.0kV, 15min

Minimum bending radius:

During installation: 9D

D – Maximum outer diameter of cable.

Construction

Phase core conductor: Class 2 aluminium conductor according to SANS 1411-1.

Supporting core conductor: aluminium-alloy conductor.

Insulation: Weather resistance cross-linked polyethylene compound Type C according to SANS 1411-4.

Identification

Phase core: Embossing number 1, 2, 3

Supporting core: 1 ridge

Application

Aerial bundled conductor suitable for fixed installation in dry or damp environment, in free air, on cable trays. Not intended for direct laying in water.

Secondary transmission parameter

No. of cores & Cross section area	Average thickness of insulation of phase conductor	Average thickness of insulation of supporting conductor	Min. breaking force of phase conductor	Min. breaking force of supporting conductor	Approx. diameter of cable	Approx. mass of cable
	mm	mm	kN	kN	mm	kg/km
3×25+1×54.6	1.4	1.6	3.30	16.6	24.0	512
3×35+1×54.6	1.6	1.6	4.50	16.6	26.5	622
3×50+1×54.6	1.6	1.6	6.20	16.6	28.5	740
3×70+1×54.6	1.8	1.6	8.90	16.6	32.3	960
3×95+1×54.6	1.8	1.6	12.30	16.6	35.2	1200
3×70+1×70	1.8	1.6	8.90	20.1	32.8	1003
3×95+1×70	1.8	1.6	12.30	20.1	35.7	1244
3×120+1×70	1.8	1.6	15.60	20.1	38.4	1473
3×150+1×70	1.8	1.6	19.20	20.1	41.1	1721