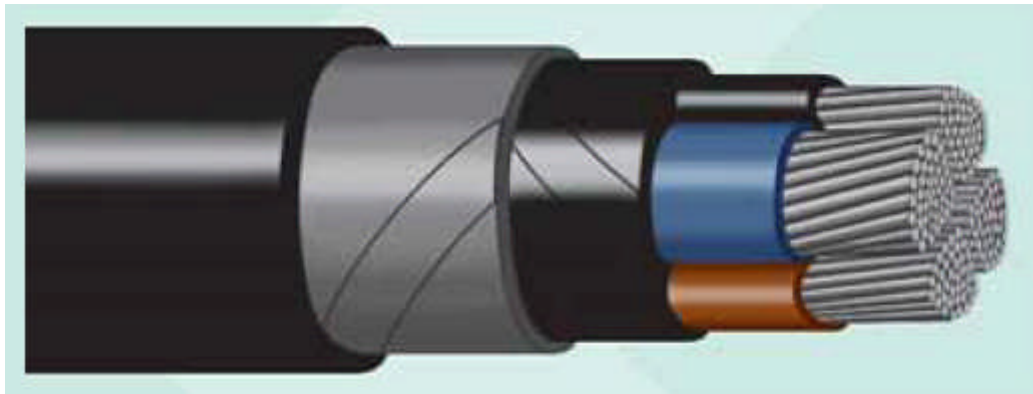


AC2X2YAbz2Y 4x120SM mm²
0.6/1 (1.2) kV
IEC 60502-1



• Illustrative only

	Construction	Material	Size	Approx. Dia* (mm)
1	Conductors, 4 phases	Al, class 2, SM	Min. 15 wires	-
2	Insulation (XLPE), DIX3, Blue, Brown, Black, Grey	Cross-linking polyethylene	Nom. Th.: 1.2 Min. Av. Th.: 1.2 Min. Th.: 0.98	-
3	Separation layer, Cable core	Plastics Tapes		34.4
5	Inner sheath	HDPE, black colour	Nom. Th.: 1.3 Min. Th.: 0.84	37.1
6	Armouring	Galvanized steel tapes	Th.: 0.5 mm	39.1
8	Separation layer	Plastic Tape, PP-S	Th.: 0.2 mm	39.6
9	Outer sheath (PE), ST7	HDPE, black colour	Nom. Th.: 2.4 Min. Th.: 1.72	44.0

* Informative only

** according with customer needs

Current-Carrying Capacity:

Cross Section	Laid in air	Laid in ground, direct	Approx. Weight	Min. bending radius	Standard Length/drum
mm^2	A	A	Kg/km	mm	m
4x120	278	269	2510	530	1000

Laying conditions:

Maximum conductor temperature :	90 °C
Ambient temperature, air:	30 °C
Soil temperature:	20 °C
Depth of laying:	0.7 m
Thermal resistivity of soil, dried-out soil	2.5 K.m/W
Thermal resistivity of soil, moist soil	1.0 K.m/W

Screen bonded at both ends.

For different laying conditions the conversion factors will be applied.

Electrical characteristics:

Max. electrical DC resistance, of conductor@ 20 °C:	0.253 Ω /km
Max. electrical AC resistance, of conductor@ 70 °C:	0.305 Ω /km
Rated short-time current of conductor (1s):	9.12 kA

Installation and operation conditions:

Max. operating temperature of conductor at short-circuit, ($\leq 5s$):	250 °C
Max. pulling force:	14.4 kN
Min. installation temperature:	- 20 °C
<i>(below 0°C special precaution shall be taken)</i>	
Min. operation temperature:	- 30 °C