

Low Voltage Cables	Units	Item1	Item2	Item3	Item4
Product identification and					
Cable type		RZ+Alm	RZ+Alm	RZ+Alm	RZ+Alm
Standard		NF C-33209	Based on NF C-33209	UNE-21030	UNE-21030
Nominal voltage		0,6/1 kV	0,6/1 kV	0,6/1 kV	0,6/1 kV
N° of cores x C.S.A.		3 x 70 mm ² + 1x54,6 mm	3 x 150 mm ² + 1x54,6 mm	3 x 95 mm ² + 1x54,6 mm	3 x 50 mm ² + 1x54,6 mm
Construction and Dimensions					
Conductor material					
		Aluminium	Aluminium	Aluminium	Aluminium
Shape		Circular compacted whith wire	Circular compacted whith wire	Circular compacted whith wire	Circular compacted whith
Class / Standard		2 / IEC 60228	2 / IEC 60228	2 / IEC 60228	2 / IEC 60228
Nominal diameter	mm	9,5	13,9	11,1	7,9
N of wires x diameter	N * mm	14 * 2,00	19 * 3,23	19 * 2,00	7 * 2, 97
Insulation material					
		XLPE	XLPE	XLPE	XLPE
Nominal radial thickness	mm	1,8	2	1,8	1,6
Diameter over insulation	mm	13,1	17,9	14,7	11,1
Conductor material (messenger)					
		Alm	Alm	Alm	Alm
Shape		Circular	Circular	Circular	Circular
Class / Standard		2 / NF C-33209	2 / NF C-33209	2 / UNE-21030	2 / UNE-21030
Nominal diameter	mm	9,4	9,4	9,3	9,3
N of wires x diameter	N * mm	7 * 3,15	7 * 3,15	7 * 3,15	7 * 3,15
Insulation material (messenger)					
		XLPE	XLPE	XLPE	XLPE
Nominal radial thickness	mm	1,6	1,6	1,6	1,6
Diameter over insulation	mm	12,7	12,7	12,5	12,5
Outer sheath material					
		N/A	N/A	N/A	N/A
Nominal overall diameter	mm	36,6	46,9	39,8	30,4
Nominal total weight	kgs/km	920	1655	1170	725
Minimum bending radius (after installation)	mm	220	285	240	185
Electrical Data					
Maximum conductor DC resistance, at 20 °C	Ohm/km	0,443	0,206	0,32	0,641
Maximum conductor temperature in service / in short-circuit	°C	90 / 250	90 / 250	90 / 250	90 / 250
Maximum adiabatic short-circuit current rating (0.1/0.5/1.0 s)	kA	20,9 / 9,36 / 6,62	44,9 / 20,1 / 14,2	28,4 / 12,7 / 8,98	15 / 6,69 / 4,73



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RÉPUBLIQUE DÉMOCRATIQUE DU CONGO

Item5
RZ+Alm
UNE-21030
0,6/1 kV
3 x 25 mm ² + 1x54,6 mm ²
Aluminium
Circular compacted whith
2 / IEC 60228
5,8
7 * 2,16
XLPE
1,4
8,6
Alm
Circular
2 / UNE-21030
9,3
7 * 3,15
XLPE
1,6
12,5
N/A
24,8
510
150
1,2
90 / 250
7,48 / 3,34 / 2,36