

Low Voltage Aerial Bundled Cables
Aluminium / Copper Cables
XLPE INSULATION
NFC 33 209, NT 88.35

Aluminium/Copper
Aerial twisted Cables

APPLICATIONS

Used for overhead distribution.
Cables with neutral messenger are designed for rural and urban areas.

These cables are not suitable for underground installation

CONDUCTOR CONSTRUCTION

Aluminium or copper: Class 2

For the messenger: AGS aluminium alloy.

TECHNICAL DATA

Nominal Voltage: 0,6/1 KV

Test voltage: 4KV.

Maximum conductor temperature in service: +90°C

Maximum short circuit temperature: +250°C

Neutral breaking load min.: 1660 daN

IDENTIFICATION OF THE CONDUCTORS

- Cables for distribution:

The neutral messenger is printed with white ink or embossed with the standard number or the name of the manufacturer.

- Cables for connexion:

Conductors are numbered in white ink or embossed.

DESCRIPTION

CORE

Aluminium or copper for phases.
AGS aluminium Alloy for the neutral

INSULATION

Black XLPE



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Type	Overall Diameter mm	approx. Weight Kg/Km	Current Carrying Capacity Amperes	Drop voltage V/A/Km
ALUMINIUM				
2x16	15	142	83	3,98
2x25	18	216	111	2,54
4x16	18	283	75	3,44
1x35+54,6	26	363	117	1,65
1x50+54,6	25	416	143	1,27
1x70+54,6	27	479	180	0,87
3x35+54,6	33	661	138	1,65
3x50+54,6	36	819	168	1,27
3x70+54,6	38	1009	213	0,87
3x35+54,6+16	33	731	138	1,65
3x50+54,6+16	36	890	168	1,27
3x70+54,6+16	38	1080	213	0,87
3x35+54,6+2x16	33	802	138	1,65
3x50+54,6+2x16	36	960	168	1,27
3x70+54,6+2x16	38	1151	213	0,87
3x70+1x70	32	1525	213	1,65
3x70+1x70+16	32	1600	213	1,27
3x70+1x70+2x16	32	1670	213	0,87
3x95+50+16	40	1170	247	0,67
3x120+70+16	42	1420	299	0,55
3x150+1x70	47	1325	344	0,46
3x150+1x70+16	47	1360	344	0,46
3x150+1x70+2x16	47	1400	344	0,46
COPPER				
2x6	12	150	53	-
2x10	13	235	72	-
2x16	15	360	95	-
2x25	18	526	-	-
4x6	14	300	53	-
4x10	16	470	72	-
4x16	19	710	95	-
4x25	22	1052	-	-

Maximum intensities valid for cables installed on facade in the open air at 30° C; Air connection bundled cables strang between poles in the open air at 30° C; For distribution bundled cables with neutral messenger.
The voltage drops are valid for cores at a temperature of 90° C.
Copper bundled cables are manufactured according the old standard UTE 33 209