



# NO-N1XZ1-AFR

Power cables with XLPE insulation and HFFR sheath

## APPLICATION

Halogen-free, flame retardant and self-extinguishing power cable in aluminum. These are important features to protect life and property in case of fire. The cable is constructed for open fixed laying, indoors and outdoors, in pipes or direct burial/water, not for atex areas. The cable is UV resistant and can be plowed. Suitable for road lighting, distribution, supply, distribution and on cable ladders. The cable comes with a stripping cord for easy dismantling of outer jacket. Important that the cable is sealed (with end cap, not tape) immediately after cutting to prevent water penetration through the end.

## CONSTRUCTION

Conductors: Annealed Al rope  
 Insulation: XLPE compound  
 Bedding: Watertight tape  
 Sheath: HFFR compound

## CORE IDENTIFICATION

According to HD 308 S2

Insulation Color:

5-core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Outer Sheath Colour:

● Green

*Other colours available on request*

## TECHNICAL CHARACTERISTICS

Test voltage: 4 Kv

Rated voltage: 0,6/1 kV

Bending radius (min): multi-core 12D

Min. laying temperature: -20°C

Max. conductor temperature: 90°C

Max. short-circuit temperature: 250°C

## STANDARD

HD 603-5M, SS 424 14 18, HD 604-5D

## CERTIFICATION



NOMINAL CROSS-SECTION	CONDUCTOR CONSTRUCTION	MAX. RESISTANCE AT 20°C	NOM. THICKNESS OF INSULATION	CURRENT CAPACITY AT 70°C	CURRENT CAPACITY AT 95°C	OUTER DIAM. (APPROX.)	METAL WEIGHT	CABLE WEIGHT (APPROX.)
mm <sup>2</sup>		Ω/km	mm	A	A	mm	kg/km	kg/km
5x25	RM	1,200	0,90	102	112	25,0	363	650
5x35	RM	0,868	0,90	111	134	27,7	509	882
5x50	RM	0,641	1,00	136	165	31,7	725	1060
5x70	RM	0,443	1,10	176	214	37,6	1027	1644
5x95	RM	0,320	1,10	215	263	41,2	1389	2094
5x120	RM	0,253	1,20	251	308	46,7	1934	2812

