

XS LXS Cable Application

LXS Cables for overhead power distribution systems mainly for public distribution. Outdoor installation in overhead lines tightened between supports, lines attached to façades. Excellent resistance to external agents. Not suitable for installation directly underground. XS Copper Overhead Aerial Cable with Left-Hand Outer Layer Stranding Direction 0.6/1kV – Cable for overhead power distribution systems mainly for public distribution for rated voltage up to 0.6/1kV.

XS LXS Cable Standard

NP 3528 / HD 626
DMA C33-209
IEC 60754-1 EN 60754-1

XS LXS Cable CONSTRUCTION

XS Copper Overhead Aerial Bundle Cable Construction

Phase conductors and public lighting conductors

Copper: stranded class 2.

Outer layer stranding direction: Left-hand (S)

Insulation: XLPE - (Cross-linked polyethylene).

LXS Aluminium Overhead Aerial Bundle Cable Construction

Phase conductors and public lighting conductors

Aluminium: stranded class 2.

Outer layer stranding direction: Left-hand (S)

Insulation: XLPE - (Cross-linked polyethylene).

CONDUTOR

XS-Cobre nu, maciço (classe 1) ou multifilar (classe 2), circular

LXS -Alumínio, multifilar (classe 2), circular

ISOLACAO

Polietileno reticulado (XLPE), tipo TIX-8

NEUTRO TENSOR

Quando existir-Liga de alumínio, secção 54,6mm²

Condutores cableados entre si no sentido direito (Z)

TORCADA XS-LXS Cable Parameter

CARACTERISTICAS MECANICAS			
Material	Secção (mm ²)	Força mínima de rotura (daN)	
Cobre	4	80	
	6	120	
	10	210	
Alumínio	16	190	
	25	300	
	35	420	
	50	600	
	70	840	
	95	1140	
Liga de alumínio	54.6	1660	
CARACTERISTICAS DIMENSIONAIS E ELECTRICAS			
Composição do cabo	Diâmetro exterior	Peso	Corrente máxima admissível (A) Ta=30C
n _s . cond.x secção(mm ²)	aprox.(mm)	aprox.(kg/km)	Instalação ao ar livre
XS			
2x4	10	95	35

2x6	12	135	55
2x10	13	215	75
3x6	13	205	50
3x10	14	320	70
4x6	14	275	50
4x10	16	430	70
LXS			
2x16	15	130	85
3x16	16	195	75
4x16	18	260	75
5x16	20	325	75
6x16	22	390	75
4x25	22	395	100
4x25+1x16	24	460	100
4x25+2x16	26	525	100
3x25+54,6	23	500	100
3x25+54,6+1x16	25	570	100
3x25+54,6+2x16	27	635	100
4x35	26	550	120
4x35+1x16	27	615	120
4x35+2x16	27	680	120
3x35+54,6	27	620	120
3x35+54,6+1x16	29	685	120
3x35+54,6+2x16	32	750	120
4x50	29	705	150
4x50+1x16	30	770	150
4x50+1x25	31	800	150
4x50+2x16	31	835	150
4x50+2x25	32	900	150
3x50+54,6	30	735	150
3x50+54,6+1x16	31	800	150
3x50+54,6+1x25	32	835	150
3x50+54,6+2x16	33	865	150
3x50+54,6+2x25	34	935	150
4x70	33	1005	190
4x70+1x16	34	1070	190
4x70+1x25	35	1105	190
4x70+2x16	36	1135	190
4x70+2x25	36	1205	190
3x70+54,6	33	960	190
3x70+54,6+1x16	34	1030	190
3x70+54,6+1x25	35	1060	190
3x70+54,6+2x16	36	1095	190
3x70+54,6+2x25	36	1160	190
4x95	37	1325	230
4x95+1x16	38	1390	230

4x95+1x25	38	1420	230
4x95+2x16	40	1455	230
4x95+2x25	40	1520	230
3x95+54,6	37	1200	230
3x95+54,6+1x16	38	1265	230
3x95+54,6+1x25	38	1300	230
3x95+54,6+2x16	40	1330	230
3x95+54,6+2x25	40	1400	230