Characteristic

Pre-assembled cables for home connection are specifically designed to facilitate the safe and efficient distribution of electricity within residential buildings:
Specifically intended for residential home connections, including the wiring of electrical circuits within homes or apartments.
Used for connecting electrical appliances, lighting fixtures, outlets, and other electrical devices within residential buildings.

Performance

Electrical performance: 0.6/1kV
Chemical performance: chemical, UV&oil resistance
Mechanical performance: Minimum bending radius: 10 x cable diameter
Terminal performance :
Maximum service temperature:90℃
Maximum short-circuit temperature: 250℃(Max.5s)
Minimum service temperature: -40℃

Construction

Phase Conductor: Consists of hard-drawn aluminum conductor (class 2), optimized for efficient power transmission within residential electrical circuits.
Lightning Conductor: Utilizes hard-drawn aluminum conductor (class 2) to provide protection against lightning strikes and electrical surges.
Neutral/Messenger Conductor: Comprised of All Aluminum Alloy Conductor (AAAC) 6201, chosen for its enhanced conductivity and mechanical properties.
Insulation: Insulated with black crosslinked polyethylene (XLPE), providing excellent electrical insulation and protection against environmental factors.

Specification

-ABNT NBR 8182 Standard

Eastful Cable Lab

We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.
CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.

National Green Factory

Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China.
We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

Technical Parameters

Cables with Neutral Aluminum - CA								
Nominal Cross Section Area	Conductor Phase Dia.	Insulation		Neutral Conductor - CA		Bursting Load	Wiring Dia.	Nominal Weight
		Thickness	Dia.	Wires × Dia.	Dia.			
mm^2	mm	mm	mm	mm	mm	daN	mm	kg/km
1×1×10+10	3,7	1,2	6,1	7 × 1,36	4,2	195	10,6	71
1×1×16+16	4,7	1,2	7,1	7 × 1,70	5,2	300	12,7	106
1×1×25+25	5,9	1,4	8,7	7 × 2,06	6,3	446	15,5	160
1×1×35+35	7,0	1,6	10,2	7 × 2,50	7,7	614	17,9	270
1×1×50+50	8,6	1,6	11,3	7 × 3,00	9,2	836	20,5	348
1×1×70+70	9,5	1,8	13,1	7 × 3,45	10,6	1081	23,7	449
2×1×10+10	3,7	1,2	6,1	7 × 1,36	4,2	195	12,2	168
2×1×16+16	4,7	1,2	7,1	7 × 1,70	5,2	300	14,4	255
2×1×25+25	5,9	1,4	8,7	7 × 2,06	6,3	446	17,6	356
2×1×35+35	7,0	1,6	10,2	7 × 2,50	7,7	614	20,2	406
2×1×50+50	8,6	1,6	11,3	7 × 3,00	9,2	836	22,8	554
2×1×70+70	9,5	1,8	13,1	7 × 3,45	10,6	1081	26,4	713
3×1×10+10	3,7	1,2	6,1	7 × 1,36	4,2	195	14,0	157
3×1×16+16	4,7	1,2	7,1	7 × 1,70	5,2	300	16,4	230
3×1×25+25	5,9	1,4	8,7	7 × 2,06	6,3	446	20,1	350
3×1×35+35	7,0	1,6	10,2	7 × 2,50	7,7	614	23,7	487
3×1×50+50	8,1	1,6	11,3	7 × 3,00	9,2	836	26,7	640
3×1×70+70	9,5	1,8	13,1	7 × 3,45	10,6	1081	31,0	892
3×1×95+95	11,2	2,0	15,2	19 × 2,50	12,8	1613	36,2	1.225
3×1×120+120	12,6	2,0	16,6	19 × 2,90	14,8	2054	40,1	1.531

Cables with Neutral Aluminum - CA								
Nominal Cross Section Area	Conductor Phase Dia.	Insulation		Neutral Conductor - CA		Bursting Load	Wiring Dia.	Nominal Weight
		Thickness	Dia.	Wires × Dia.	Dia.			
mm^2	mm	mm	mm	mm	mm	daN	mm	kg/km
3×1×35+35	7,0	1,6	10,2	7 × 2,50	7,65	1092	23,7	490
3×1×35+50	7,0	1,6	10,2	7 × 3,00	9,18	1572	24,6	530
3×1×50+35	8,1	1,6	11,3	7 × 2,50	7,65	1092	25,8	625
3×1×50+50	8,1	1,6	11,3	7 × 3,00	9,18	1572	26,7	665
3×1×70+50	9,5	1,8	13,1	7 × 3,00	9,18	1572	30,1	895
3×1×70+70	9,5	1,8	13,1	7 × 3,45	10,56	1991	31,0	920
3×1×95+70	11,2	2,0	15,2	7 × 3,45	10,56	1991	34,9	1.12
3×1×120+70	12,6	2,0	16,6	7 × 3,45	10,56	1991	37,5	1.375