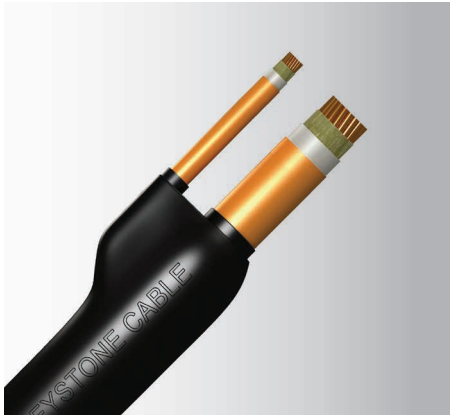


KEYFAB™ Prefabricated Branch Cables

0.6/1kV Single-Core
Mica Tape, XLPE Insulated, Unarmoured, LSZH Sheathed Cable
Description: CU/MT/XLPE/LSZH-AT-UV



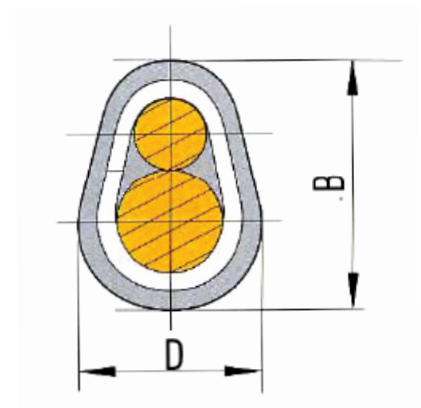
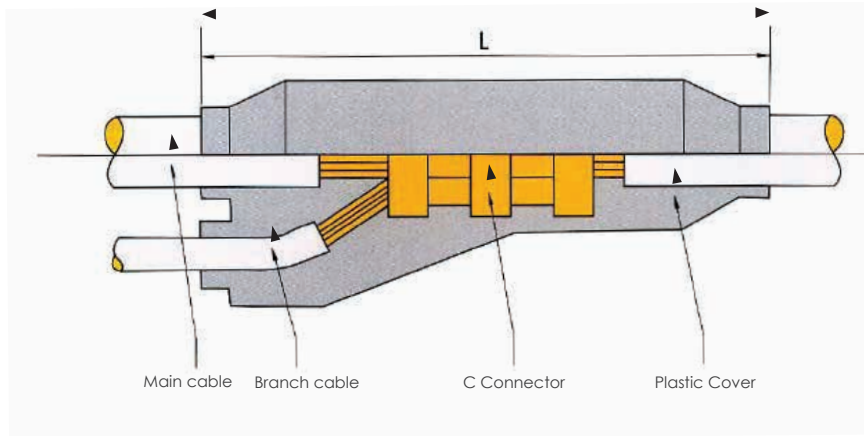
Application :	This cable is used in power supplies and distribution systems for high-rise buildings, hospitals, and airports where integrity of the electrical circuit is critical during a fire.
Voltage rating :	0.6/1kV
Construction :	Plain annealed copper (IEC60228 Class 2), mica tape fire barrier, XLPE insulated, unarmoured, anti-termite and UV resistant LSZH compound sheathed cable
Insulation colour :	Natural
Sheath colour :	Orange
Specification :	IEC60502-1, SS299, BS6387, IEC60331, IEC60332-1-2, IEC60332-3, IEC60754, IEC61034-2
Operating temperature :	90°C

Part No.	Conductor			Insulation	Unarmoured Cable	
	Nominal Area	No./Diam. of Strand	Max. Diam. of Conductor	Thickness	Approx. Overall Diam.	Approx. Weight
	(mm ²)	(no./mm)	(mm)	(mm)	(mm)	(kg/km)
1101B****	10	7/1.35	4.05	0.7	9.6	170
1201B****	16	7/1.70	5.10	0.7	10.6	235
1301B****	25	7/2.14	6.20	0.9	12.3	343
1401B****	35	19/1.53	7.30	0.9	13.7	455
1501B****	50	19/1.78	8.20	1.0	15.1	590
1601B****	70	19/2.14	10.00	1.1	16.6	820
1701B****	95	19/2.52	11.80	1.1	19.0	1075
1801B****	120	37/2.03	13.00	1.2	20.5	1350
1901B****	150	37/2.25	14.40	1.4	22.7	1640
2001B****	185	37/2.52	16.20	1.6	25.5	2040
2101B****	240	61/2.25	18.80	1.7	28.5	2650
2201B****	300	61/2.52	21.20	1.8	31.5	3260
2301B****	400	61/2.85	24.30	2.0	35.4	4130
2401B****	500	61/3.20	27.40	2.2	39.0	5200
2501B****	630	127/2.52	32.76	2.4	43.5	6600
2601B****	800	127/2.85	37.05	2.6	48.5	8300
2701B****	1000	127/3.20	41.60	2.8	54.0	10458

**** stands for branch size, please contact us for more info.
For technical specification please refer to Table 24 (Page 65)

Table 24 : KEYFAB™ Prefabricated Branch Cables Size Reference

Main Cable	(mm ²)	25	35	50	70	70	95	120	95	120	150	185	240	185	240	300	400	400	500	630	800	1000
Branch Cable	(mm ²)	6 to 25	6 to 35	6 to 50	6 to 70	35 to 70	6 to 50	6 to 25	70 to 95	35 to 120	6 to 120	6 to 95	6 to 35	120	50 to 120	60 to 150	6 to 50	70 to 150	6 to 185	6 to 185	6 to 185	6 to 185
Reference Size	L (mm)	104		130		154		190				213		250		290						
	D (mm)	28		35		42		52				66		78		88						
	B (mm)	46		58		70		86				100		113		134						



KEYFAB™ Branch Cables Inspection and Testing

- Each connection made between the main and branch cable employs a copper “C” type connector and is encapsulated in thermoplastic;
- The insulation Resistance value of the system is measured over 200MΩ at the factory;
- Cable with connectors can withstand dielectric voltage of 3.5kV for 5 minutes under one meter water pressure;
- The DC conductor resistance ratio between the connected cable system and the cables with same length is less than 1.2;
- Able to withstand 250 Heat Cycle Test;
- Cable system meets flame retardant requirement to IEC60332.