



MBC Systems Sdn Bhd

MBC Branch Cable System



Buatan Malaysia

Economical

Safe

Maintenance Free



MBC Systems Sdn Bhd

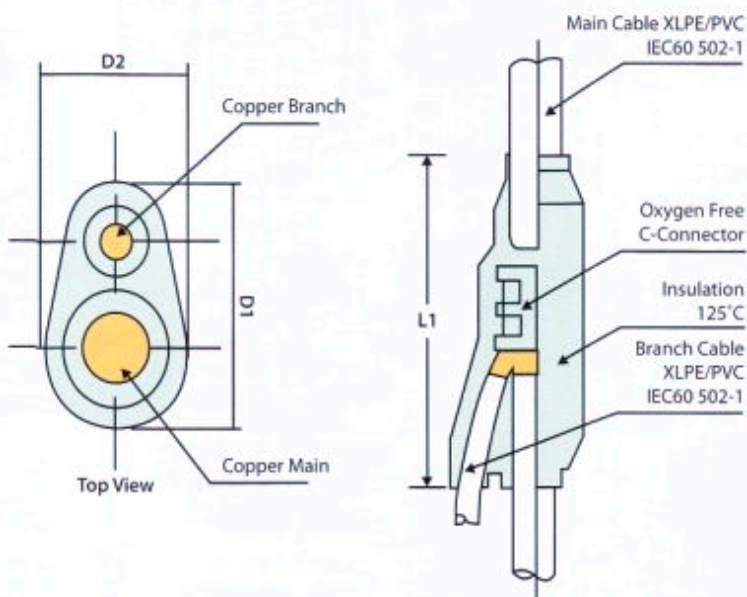
Prefabricated
Branch Cable

Brand & country Of Origin	MBC , Malaysia
Type of Insulation	XLPE/PVC, PVC/PVC
Conductor Material	Copper
Standard Adoption	IEC 60502, JCS4503
Main & branch Cables	Sirim tested type.

Avantages

- Consistent manufacturing quality**
 Processing work is carried out at factory with good working condition, this will eliminate construction mistake.
- Material cost saving**
 No material wastage as this system is tailor made to site requirement.
- Ease of installation process**
 Ready to install and no cutting & jointing require at site.
- Less Space require in rise room**
 With this system, a small riser room is sufficient as compare to busduct system or conventional system, tap-off unit.
- Maintenance Free**
 No further maintenance is require after commissioning.
- Waterproofing & Anti-oxidation**
 Should water accidentally flow into the riser room, no worry, in this system, all jointing parts are airtight & waterproof resistant.
- Earthquake-Proof**
 Occasional tremors & vibration may cause electrical connection to be disrupted, but branch cable systems these can be minimized.
- Electrical continuity**
 All jointing part in branch cable system are carefully constructed and as the result it leaves no room for any flaw.

Assembly Branch Joint



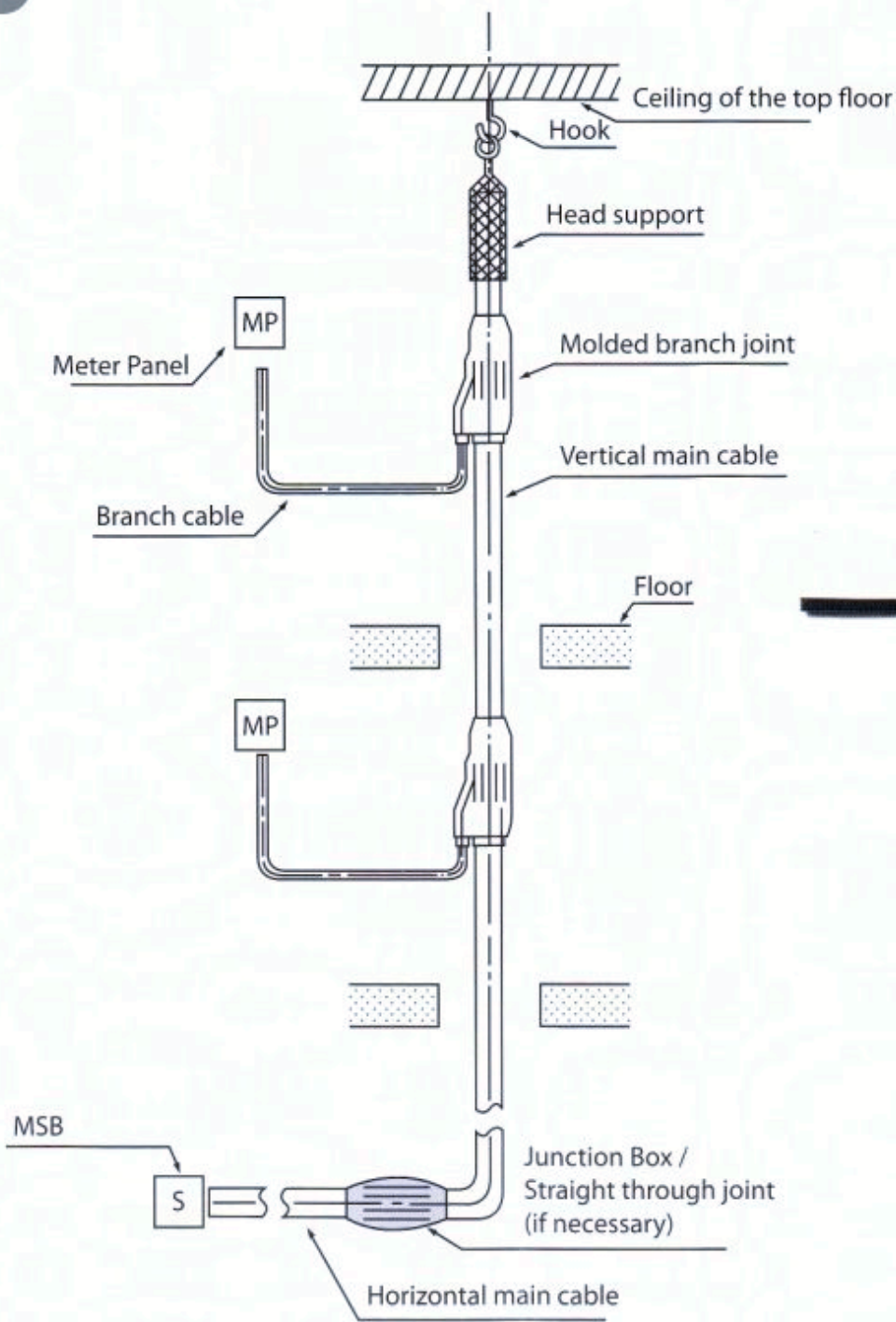
Main Cable mm ²	Branch Cable mm ²	Dimension (mm)		
		d1	d2	L1
16	6-10	42	38	95
25	10-16	42	38	95
35	16-25	60	38	95
50	16 - 35	60	42	115
70	16-50	60	42	115
95	16-70	60	42	115
120	16-95	60	45	150
150	16 - 120	60	45	150
185	16 - 150	60	45	150
240	16 - 185	70	55	150
300, 400, 500 & 630	16 - 240	70	55	150

Current Rating for XLPE Insulated, PVC-Sheathed, Single Core

0.6/1Kv IEC 60 502-1

Conductor - Cu		Nominal thickness of insulation mm	Nominal thickness of sheath mm	Approx. overall diameter mm	Approx. cable weight kg/km	2 cable Spacing S=2D		Trefoil / S=D	
Nominal cross-section area mm ²	Shapre					Current Rating amp	Approx. v/d /amp /mtr mV	Current Rating amp	Approx. v/d /amp /mtr mV
10	c.s	0.7	1.4	8.4	153	-	-	-	-
16	c.c	0.7	1.4	10.1	215	115	2.9	96	2.6
25	c.c	0.9	1.4	10.9	315	150	1.9	130	1.6
35	c.c	0.9	1.4	12	415	180	1.3	160	1.2
50	c.c	1.0	1.4	13.4	540	255	1.00	215	0.88
70	c.c	1.1	1.4	15.3	755	330	0.72	270	0.64
95	c.c	1.1	1.5	17.2	1020	410	0.56	340	0.45
120	c.c	1.2	1.5	18.9	1270	480	0.46	400	0.36
150	c.c	1.4	1.6	21.1	1560	550	0.4	460	0.31
185	c.c	1.6	1.6	23.2	1955	640	0.35	530	0.26
240	c.c	1.7	1.7	26.0	2540	760	0.31	630	0.22
300	c.c	1.8	1.8	28.7	3160	900	0.29	740	0.19
400	c.c	2.0	1.9	32.2	4015	1060	0.27	870	0.17
500	c.c	2.2	2.0	35.7	5034	1250	0.26	1020	0.16
630	c.c	2.4	2.2	42.5	6530	1480	0.25	1140	0.15

Notes: C.S - circular stranded conductor
 C.C - circular compacted stranded conductor
 Sirim Tested & Certified Cable.
 Outer Sheath - Black



Authorized dealer:





SIRIM QAS International Sdn.Bhd. (Company No.: 410334-X)
 No.1, Persiaran Dato' Menteri, P.O BOX 7035, Section 2,
 40911 Shah Alam, Selangor Darul Ehsan, Malaysia
 Tel. no: 03-55446253 / 55446251 Fax. no: 03-55446272

TEST REPORT

REPORT NO.: 2010EL1489

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Applicant : MBC Systems Sdn. Bhd.,

Manufacturer : MBC Systems Sdn. Bhd.

Product : PREFABRICATED PVC MOULD BRANCH CABLE SYSTEM

Reference Standard / : JCS 4503: 2003 (Japanese Cable Makers' Association Standard)
 Method of test

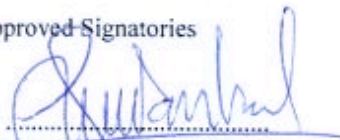
Description of sample: Brand : MBC
 Rated voltage : 600/1000V
 Main cable type/size : 95 mm² copper conductor, XLPE-insulated, PVC-sheathed
 Branch cable type/size : 25 mm² copper conductor, XLPE-insulated, PVC-sheathed
 Material of connector : Copper alloy
 Insulation of branch connection part : PVC compound

Date received : 26 OCT. 2010

Job No./ Ref. No. : J20105021353

Issue date : 01 DEC 2010

Approved Signatories


 (SURIAN RASOL)
 Senior Testing Executive

