

JELLY-FILLED TELECOMMUNICATION CABLES

Siechem Technologies (P) Ltd. Is one of the leading manufacturers of Telecommunication Cables in India. Equipped with most sophisticated, state-of-the-art Jelly-filled Telecommunication Cable Plant, fully equipped Testing Lab and highly skilled technical personnel, the cables are manufactured to every National and International Standard covering from 5 pairs upto 800 pairs with conductors of sizes 0.4mm / 0.5 mm / 0.63 mm and 0.9 mm.

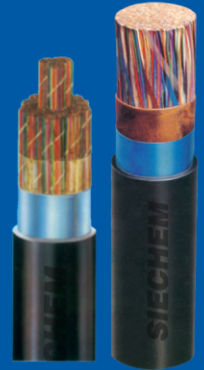
BSNL Spec. No. GR / CUG-01/03, Aug. 2003

For

SOLID PIJF – Armoured / Unarmoured Underground Cables

COMMON CONFIGURATON :

10 prs, 20 prs, 50 prs, 100 prs, 200 prs,
400 prs, 800 prs.



APPLICATION

This cable is used for distribution in exchange area and usually conduit or direct burial application.

CONSTRUCTION

Solid annealed copper 0.4, 0.5, 0.63 and 0.9 mm diameter.

INSULATION

Solid PE

TWINNING

Two insulated conductors twisted into pairs.

STRANDING

10 pairs shall be stranded together to form a group or 2 x 10 pairs shall be made in group inner. Cables upto 100 pairs are formed by groups. For cables in excess of 100 pairs, groups are stranded together to form 50 or 100 pair super pair units and the cable core is formed by units.

FILLING

The water resistant Jelly-filling compound is applied to the air-space within the cable core.

WRAPPING

Suitable material tape is applied on the cable core

MOISTURE BARRIER

Poly Al tape of thickness ranging from 15 microns upwards. The metallic foil is applied longitudinally or helically with an overlap.

INNER SHEATH

Polyethylene, Black.

ARMOURING

Galvanised steel tape over bedding of two closed helical lapings of water proof cotton (or) polyethylene tape.

JACKETING /OUTERSHEATH

Polyethylene Black.

COLOUR SCHEME OF 10 PAIR GROUPS

COLOUR SCHEME FOR BINDER FOR UNIT IDENTIFICATIONS

STORES AT SIECHEM

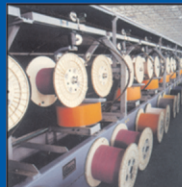
10 pair unit construction (Colour Scheme)		20 pair unit construction (Colour Scheme)		Unit Number	Colour of Binder
WH / BLUE	RED / BLUE	WH / BLUE	BK / BLUE	1	Blue
WH / ORANGE	RED / ORANGE	WH / ORANGE	BK / ORANGE	2	Orange
WH / GREEN	RED / GREEN	WH / GREEN	BK / GREEN	3	Green
WH / BROWN	RED / BROWN	WH / BROWN	BK / BROWN	4	Brown
WH / GREY	RED / GREY	WH / GREY	BK / GREY	5	Grey
		RED / BLUE	YEL / BLUE		
		RED / ORANGE	YEL / ORANGE		
		RED / GREEN	YEL / GREEN		
		RED / BROWN	YEL / BROWN		
		RED / GREY	YEL / GREY		



Tandem Lines



DT Payoff



Group Twinning Line



TEC / BSNL Approved

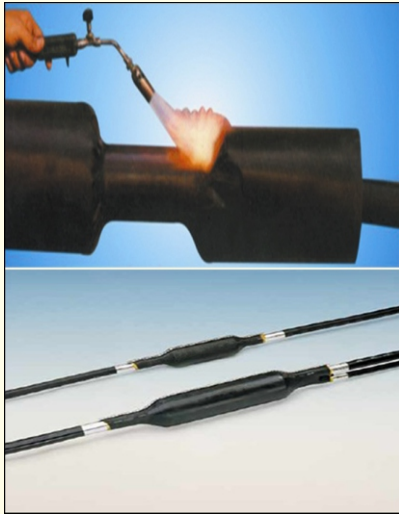


Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr ⁶⁺ Free	PBB Free	PBDE Free
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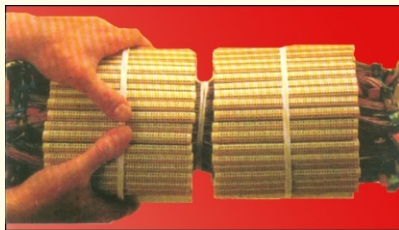
Heat Shrinkable Jointing Kits

Siechem enjoys largest market share in Thermo Shrinkable Cable Jointing kits, Modular connectors, Splicing rigs and UY Connectors in India. The following tables are the Kit Selection chart for JFTC cables.



Siechem TSF 1 - 7 For Indian Market							
KIT SELECTION TABLE FOR TSF KITS							
Type no.	Max. dia. of Splice (mm)	Min. dia. of Splice (mm)	Maximum permissible Splice opening (mm)	CABLE TO WHICH APPLICABLE			
				0.4 (mm)	0.5 (mm)	0.63 (mm)	0.9 (mm)
TSF-0	42	8	80	5 10	5 10	5 10	5 10
TSF-1	42	8	225	20	20	20	-
TSF-2	42	8	350	50	50	50	20
TSF-3	62	22	350	100	100	100	50
TSF-4	92	30	500	200	200	200	100
				400	400	-	-
TSF-5	122	38	500	800	800	400	200
TSF-6	160	55	650	1200	1200	800	400
TSF-7	210	55	650	1600	1600	-	-
				2000	2000	-	-
				2400	-	-	-

Siechem 550 For Export Market				
Siechem Description	Max. Bundle Diameter	Min. Cable Diameter	Nominal Joint Opening (L)	Max. Useable Metal canister Length inside
Siechem 550-43/ 8-200	43	8	200	250
Siechem 550-43/ 8-350	43	8	350	400
Siechem 550-43/ 8-500	43	8	500	550
Siechem 550-75/ 15-250	75	15	250	300
Siechem 550-75/ 15-500	75	15	500	550
Siechem 550-75/ 15-650	75	15	650	700
Siechem 550-92/ 25-300	92	25	300	350
Siechem 550-92/ 25-500	92	25	500	550
Siechem 550-92/ 25-650	92	25	650	700
Siechem 550-122/ 30-300	122	30	300	350
Siechem 550-122/ 30-500	122	30	500	550
Siechem 550-122/ 30-650	122	30	650	700
Siechem 550-160/ 42-500	160	42	500	550
Siechem 550-160/ 42-720	160	42	720	770
Siechem 550-200/ 50-500	200	50	500	550
Siechem 550-200/ 50-720	200	50	720	770



Siechem 20 Pair Modular Connectors

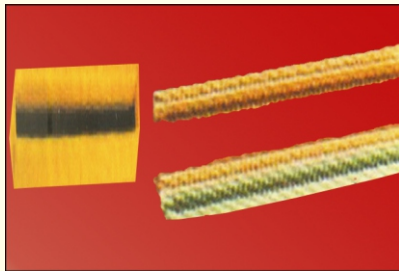
• Straight Type Modules

These Modules are used for Straight Jointing of Telephone Jelly Filled Cables by insulation displacement contact (IDC) technique. From 20 pairs to any number of pairs of cables can be connected as shown in the photograph. In India upto 2400 pair cables spliced in one Jointing closure. The module cover, body & base is color coded Ivory & Gold. The matte finish cover accepts pair identification by pen or pencil to facilitate later transfers or rearrangements.

• Half Tap Modules

Half Tap modules are similar to the St. Type, except that the cut-off blades have been eliminated from the bottom of the module. This allows the run or through wires to be half-tapped without cutting the conductors. The wires in the base are electrically connected, but are not cut-off. These are color coded Green. Both Straight and Half tap types are supplied with individual sealed box with Green coloured special jelly for water and moisture protection. These Modules are suitable for 0.4 to 0.63 mm Copper Conductor with PE insulated wires.

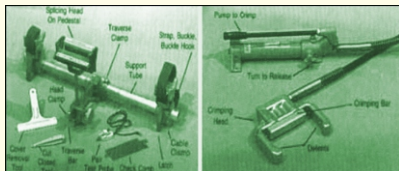
Packing : 100 Nos. of 20 pair modules , 1 No. Adopter plate, 1 No. Adopter Tool is packed in a carton Box.



• Splicing Rigs

The Splice Rig is designed to connect 20 Pr at a time without stripping of insulation. The rig is sturdy, easy to use, & color coded to suit JFTC cables. The crimping head has a special feature of having a twin head formation which enables simultaneous splicing of 40 pairs in one stroke.

Packing : In a grey coloured portable tool box.



• UY Wire Connectors

UY Discrete Connector is for splicing a single PE insulated copper wire of dia 0.4 to 0.65 mm. The sealant used in the connector provides the most effective water & moisture protection.

Packing : 101 Nos. in a polythene cover or as per Customer order.



Approvals & Licenses											
ISO 9001	ISO 14001	IAFT 16949	OHSAS 18001	AS 9100	ISO 45001	UL	CE	RoHS	TUV	RSO	
ESMA	RoHS	CE	REACH	RoHS	IRS	RoHS	RoHS	RoHS	RoHS	RoHS	RoHS