



*FEC Cables (M) Sdn. Bhd.*



***Telephone Cables***

# CORPORATE HISTORY

FEC Cables (M) Sdn. Bhd. was first established in 1967 and was previously known as Furukawa Electric Cables (M) Sdn. Bhd. In all the years until 2003, the company had been under the management and control of Furukawa Electric Co. Ltd. of Japan.

In 2003, the company was renamed FEC Cables (M) Sdn. Bhd. following the acquisition of its major equity stake by Permodalan Nasional Berhad, Malaysia's government-owned premier multi-billion dollar investment institution.

The Company had started a technical collaboration from world renowned cable manufacturer, The Furukawa Electric Co. Ltd Japan (Furukawa Japan).

FEC Cables has benefited enormously from the technical collaboration and the subsequent technology transfer with Furukawa Japan. FEC Cables inherited from Furukawa Japan not only its advanced technology and technical know-how but also the disciplines of producing quality products using material conforming to the international standards of manufacturing cables.

Today FEC Cables plays a prominent role as a forerunner in the cable industry.

FEC Cables has been actively involved in serving various industrial sectors, namely the power, telecommunications, construction as well as the oil and gas sectors.

# INTRODUCTION OF COMPANY

When there is talk of high quality electric wires and cables, the one company that comes to mind is FEC Cables (Malaysia) Sdn. Bhd. FEC is a subsidiary of Permodalan Nasional Berhad and was formerly known as Furukawa Electric Cables (M) Sdn. Bhd. Having established its Shah Alam plant in 1967 on a 7-acre site at the Shah Alam Industrial Estate, Furukawa has come a long way.

The technical collaboration with our Japanese counterpart, Furukawa Japan, has brought about an amazing success for us. In terms of quality, we have climbed the ladders of product manufacturing, steadily and successfully, pushing FEC towards the pinnacle of excellence.

Putting our customers' demands and needs as our number one priority, we opened our second plant in 1995, on a 27-acre freehold land site in Bukit Raja Industrial area, Klang. In our quest for excellence, we equip the plant with the latest technological aids for the manufacture of a wide range of low and medium voltage cables.

The certification of the ISO 9001 for both plants only proves that we do not compromise on quality and customer satisfaction. Our dedicated and hard-working employees are the backbone of our success. This was greatly helped by the state-of-the-art technology equipment which has led us towards excellence.

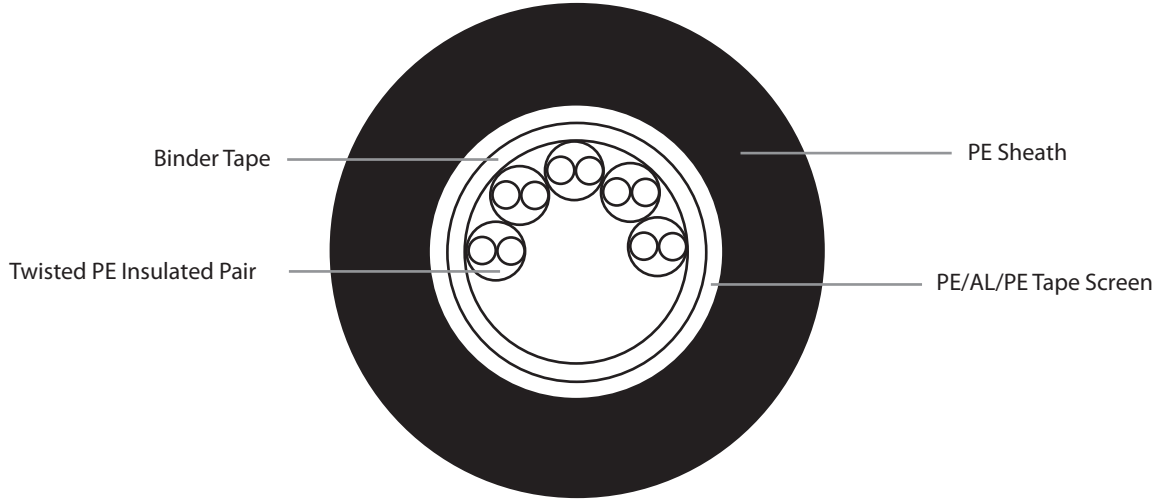
Moving towards a new century, we pledge to continually strive towards progressive and dynamic growth as FEC Cables continues its efforts in contributing to the development of Malaysia.





**Telephone Cables**

**Foam Skin Polyethylene Insulated, Polyethylene Sheathed, Paired, Unit Type, Air-core And Moisture Barrier Sheathed With Copper Conductor (PEUT)**



**Dimensional**

Cable Size		Nom. Sheath Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Cable Weight (kg/km)
No. of pairs	Nom. Conductor Diameter (mm)			
200	0.40	2.1	22.5	700
400		2.2	29.5	1,290
600		2.3	34.5	1,860
800		2.4	39.5	2,430
1000		2.5	43.5	3,000
1200		2.8	47.5	3,590
1400		2.8	50.5	4,140
1600		2.9	54.0	4,710
2000		3.0	59.5	5,820
2400		3.1	65.5	6,940
200	0.50	2.2	26.5	1,030
400		2.3	35.5	1,920
600		2.5	42.5	2,810
800		2.8	48.5	3,700
1000		2.9	54.0	4,580
1200		3.0	58.0	5,440
1400	3.0	62.0	6,290	
200	0.63	2.3	32.5	1,560
400		2.5	44.0	2,950
600		2.9	53.5	4,360
800		3.0	61.0	5,720
1000		3.1	67.5	7,070

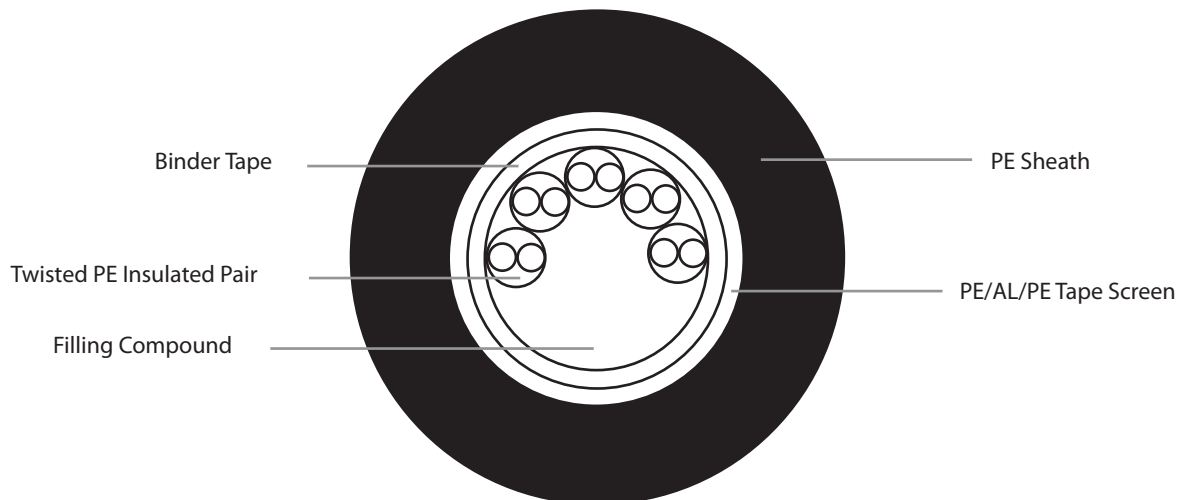
**Electrical Data**

Nom. Conductor Diameter	Conductor Resistance		Capacitance Unbalance		Max. Ave. Mutal Capacitance (nF/km)	Min Insulation Resistance (MΩ.km)	Min. Dielectric Strength	
	Max. Ave. (Ω/km)	Max. for 99% case (Ω/km)	P-P Max. Ave. (pF/500 m)	P-G Max. Ave. (pF/500 m)			C-C (kV/3Sec.)	C-S (kV/3sec.)
0.40	143	150	200	574	54	10,000	0.6	4
0.50	91	96						
0.63	58	60						

**SPECIFICATION**

**TM SPEC. LINES CL 0543**

**Foam Skin Polyethylene Insulated, Polyethylene Sheathed, Paired, Unit Type, Fully-filled And Moisture Barrier Sheathed With Copper Conductor (PEUT FF)**



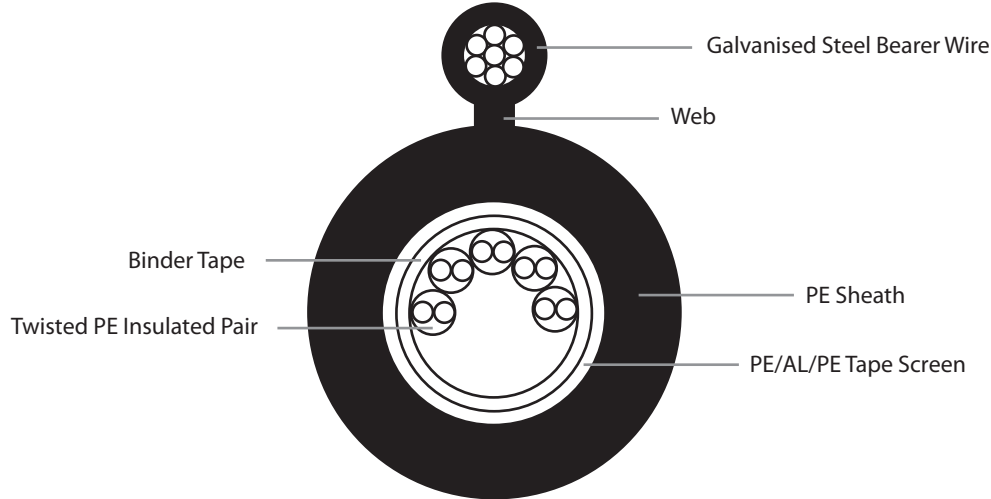
**Dimensional**

Cable Size		Nom. Sheath Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Cable Weight (kg/km)
No. of pairs	Nom. Conductor Diameter (mm)			
10	0.50	2.1	11.0	130
20		2.1	13.0	200
30		2.1	14.5	260
50		2.1	17.0	380
100		2.1	21.5	670
200		2.2	29.0	1,270
10	0.63	2.1	12.0	180
20		2.1	14.5	280
30		2.1	16.5	370
50		2.1	20.0	560
100		2.2	26.0	1,010
200		2.3	34.5	1,890

**Electrical Data**

Nom. Conductor Diameter	Conductor Resistance		Capacitance Unbalance		Max. Ave. Mutal Capacitance (nF/km)	Min Insulation Resistance (MΩ.km)	Min. Dielectric Strength	
	Max. Ave. (Ω/km)	Max. for 99% case (Ω/km)	P-P Max. Ave. (pF/500 m)	P-G Max. Ave. (pF/500 m)			C-C (kV/3Sec.)	C-S (kV/3sec.)
0.50	91	95	200	574	54	10,000	2	4
0.63	58	60						

## Solid Polyethylene Insulated, Polyethylene Sheathed, Paired, Unit Type, Moisture Barrier Sheathed And Integral Barrier With Copper Conductor (PEUTIB)



### Dimensional

Cable Size		Nom. Sheath Thickness (mm)	Approx. Overall Diameter (mm)	Approx. Cable Weight (kg/km)
No. of pairs	Nom. Conductor Diameter (mm)			
10	0.50	2.1	12.0	190
20		2.1	13.0	240
30		2.1	15.0	330
50		2.1	17.5	440
100		2.1	22.0	760
200		2.2	29.5	1,350
10	0.63	2.1	12.5	220
20		2.1	15.0	310
30		2.1	17.5	430
50		2.1	20.5	600
100		2.2	27.0	1,070
200		2.3	36.0	1,930

### Electrical Data

Nom. Conductor Diameter	Conductor Resistance		Capacitance Unbalance		Max. Ave. Mutal Capacitance (nF/km)	Min Insulation Resistance (MΩ.km)	Min. Dielectric Strength	
	Max. Ave. (Ω/km)	Max. for 99% case (Ω/km)	P-P Max. Ave. (pF/500 m)	P-G Max. Ave. (pF/500 m)			C-C (kV/3Sec.)	C-S (kV/3sec.)
0.50	91	95	200	574	54	10,000	2	4
0.63	58	60						





*FEC Cables (M) Sdn. Bhd.*  
(7293-W)

Factory 1

Persiaran Raja Muda, 40000 Shah Alam, Selangor Darul Ehsan, Malaysia.  
(P.O. Box 7006, 40700 Shah Alam)

Tel : 6 03 - 5519 1110 (Hotline) Fax : 6 03 - 5519 1296

Factory 2

No. 16, Jalan Keluli 2, Bukit Raja Industrial Area, 41050 Klang, Selangor Darul Ehsan, Malaysia.

Tel : 6 03 - 3343 5837 (Hotline) Fax : 6 03 - 3343 5843

Sales Office

Persiaran Raja Muda, 40000 Shah Alam, Selangor Darul Ehsan, Malaysia

Tel : 6 03 - 5519 1110 (Hotline) Fax : 6 03 - 5519 1296 / 5513 8688

Email : sales@fecm.com.my

[www.fec.com.my](http://www.fec.com.my)