

POWER ENERGY



COMPANY PROFILE

“Deliver a quality product on time and within budget.”



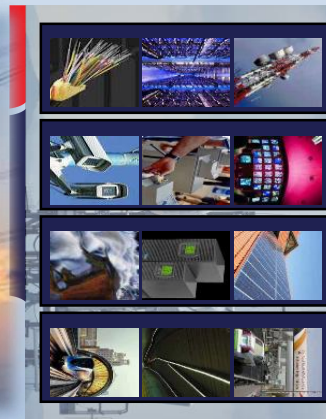
SAS Fiber Optic



**OPGW & UNDER
GROUND Fiber Optic
Link**



**TRANSMISSION
LINES**



Surveillance & Security



GSM PROJECTS

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WELCOME TO POWER ENERGY

We take pleasure in presenting ourselves **POWER ENERGY** is a SAGIA Licensed company registered with the Ministry of Commerce under National Number # **7050922322**.

Implementation of **Complete National Grid Network Infrastructure , SAS FIBRE OPTIC CABLING SOLUTION ,_PREMISE DISTRIBUTION SYSTEM (PDS) , OPGW & UNDER GROUND Fiber Optic Link, OSP FTtx Telecom, IBS & GSM PROJECTS** Covering the whole spectrum of IT including LAN & WAN networking infrastructure structured cabling OSP/ISP, SUBSTATION AUTOMATION SYSTEM, on turnkey basis and telecommunications related projects in the Kingdom of Saudi Arabia.

The Products, Solutions & Services we offer are already used by many customers who testified to improvement in productivity, quality and responsiveness of business operations. **Our state of the art technologies are not just future proof but also strong enough to deal with emerging challenges. PECO capabilities to offer services that help you meet emerging market challenges and keep you ahead.**

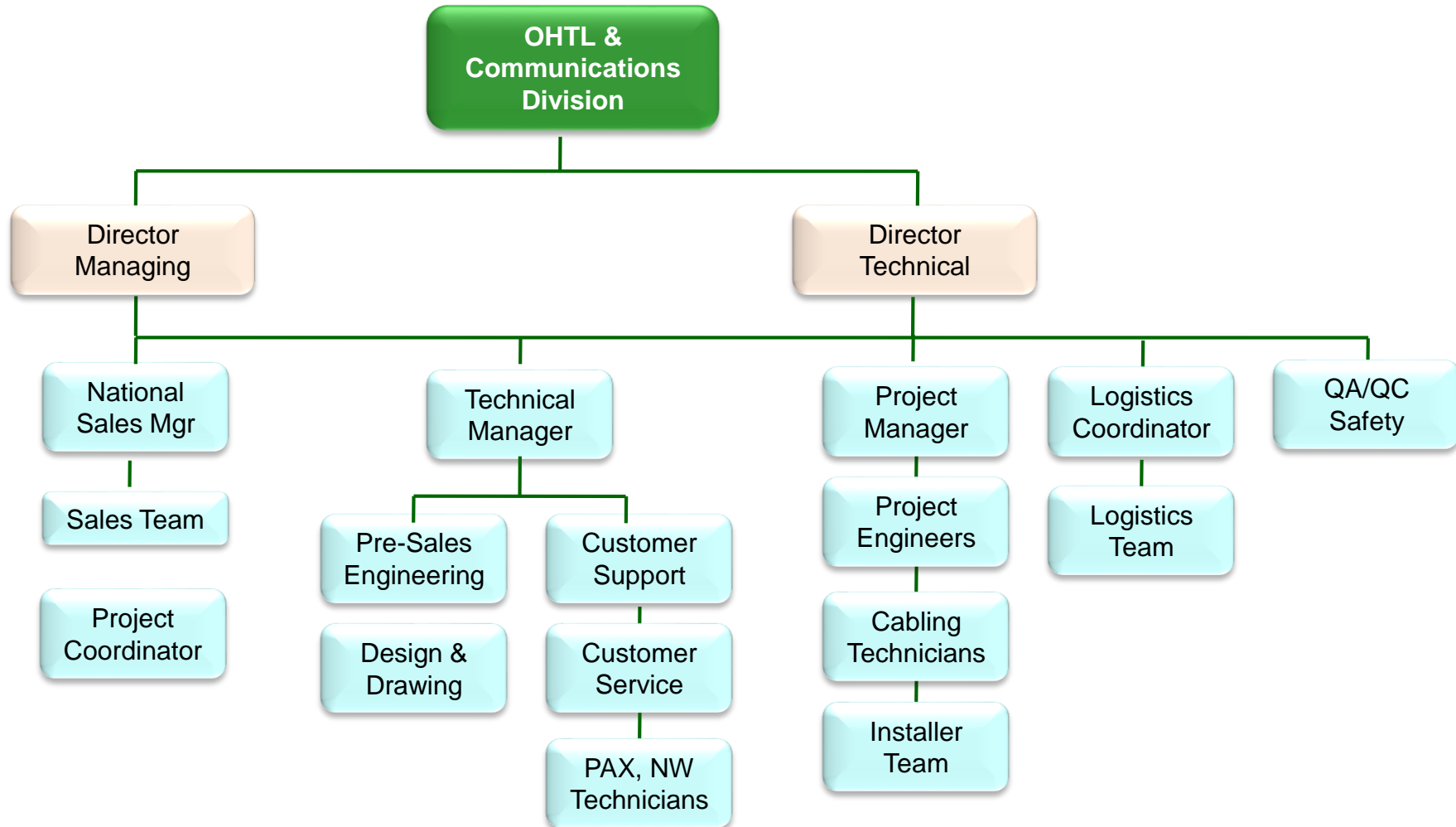
PECO has undertaken/is undertaking service oriented/Turnkey Telecom Projects and supplies of telecom network material and OFC accessories in the Kingdom. With the dedicated and highly motivated Management team, Engineers, Supervisors and Technicians, **PECO** is a company with full commitment to accomplishing its undertaken projects qualitatively while adhering to the time schedules of completion, complying with the strict specifications of the client and applying the Saudi and international safety standards in the process of executing various projects.

PECO is managed by the specialists in the fields that have a vision and mission to progress in the ventured activities with a commitment to the nation & the valued client to provide quality service and products. We meticulously plan every detail and double check our double checks. It's a philosophy that does not only allow us to reach our dreams of success, but to exceed them.

Our reputation is our most important asset. A reputation for honesty and integrity is essential to our business. We conduct our business in a manner that earns us the respect and goodwill of those around us. Doing good work, completing it on time, and dealing fairly and honestly with everyone involved are essential to maintain our excellent reputation in the industry.



OHTL & COMMUNICATIONS DIVISION – ORGANISATION CHART





OHTL PROJECTS

Transmission lines are part of our major activities. As a sign of our success and our strong presence in the field we proudly established more than 100 km of 132 KV

Our Major Activities in OHTL are:

1. Access Roads
2. Structural Pads
3. Tower Foundations

1. Sorting and bundling at store and shifting
2. Tower Grounding System
3. Tower Assembly
4. Tower erection works
5. Bolt tightening , Torqueing as per design
6. Pall Nut fixing as per SEC standard

Stringing and Installation Of Conductor/OPGW, AVIATION, and SPACER DAMPERAND JOINT BOX and all necessary associated hardware and accessories.

Material transportation, Insulator hanging, Pilot wire laying & pulling, Conductor pulling, Sagging, Conductor dead-end assembly, Clipping, Spacer Installation, and lead down at designated tower locations.

(All Stringing Tools (Tensioner &puller) by Main Contractor
other heavy equipment like crane,shevel,boom truck etc...by Power Energy)





OHTL PROJECTS





LIST OF OHTL PROJECTS COMPLETED & ON GOING

SR. NO.	SITE	CLIENT	LOCATION
1	CONSTRUCTION OF 132KV DC OHTL IN PSSA&PSSB OF NEOM TABOUK AREA.	NESMA	Riyadh
2	CONSTRUCTION OF New +/- 500KV HVDC OHTL FOR COA-WOA INTERSECTION LINK TAIF – BAHRA	AL FANAR	RIYADH
3	CONSTRUCTION OF 115KV/13.8 KV NARIYA NORTH BSP NATA-2 SUBSTATION 2	TARIG AL JAFARI	RIYADH
4	CONSTRUCTION OF 132 KV DC OHTL FOR NEW TABARJAL -B IN JOUF AREA – TOWER ASSEMBLY/ERECTION, AND STRINGING	AL-BABTAIN	Riyadh
5	CONSTRUCTION OF 380KV TOWER FOUNDATIONS WORK AT TABARJAL	AL-GHAZ	Jeddah
6	DISMANTLING, DISCONNECTING, ARRANGEMENT OF OHTL TOWERS, GANTRY AND TC -AL DIRIYAH 132 KV PROJECT -DISMANTLE OF 132KV OHTL BETWEEN 9034-8171 SS AT RIYADH	CEPCO	RIYADH
7	AL DAWADMI HOUSING S/S 8610 WITH 132KV NETWORK, IN AL DAWADMI AREA, RIYADH	DELTA	ONAIZAH
8	Double Circuit OHTL 132KV Reconductoring of NAJLAN Khaledia - Thermal Conductor GAP Type	GIZA SYSTEM	RIYADH
9	FOUNDATION WORK AND COMPLETE INSTALLATION OF OHTL, GANTRY STEEL STRUCTURES-REMAL PROJECT AT RIYADH	CEPCO	TABUK
10	132KV NETWORK CONNECTIONS FOR HAIL-4 BSP 9070, CONSTRUCTION OF TWO 132KV OHL IN HAIL SOUTH AREA. TOWER ASSEMBLY/ERECTION, AND STRINGING WORKS	AL FANAR	RIYADH



COMPLETE SAS FIBER OPTIC WORKS SUPPLY & SERVICES SOLUTION PROVIDER

SAS FIBER OPTIC CONCEPT 110 / 115/33/13.8 KV & 380/115/33KV BSP
SUBSTATIONS Works As Per SEC (Saudi Electric City) Standard

- Supply & Installation of OFMR, FSTP, 48F, 2F Patch Cords & Connectorization LC-LC, LC-ST & ST-ST
- MM 3MM Duplex
- Supply & Installation of 48, 96 & 144 FIBER MULTI MODE, DUCT FIBER OPTIC CABLE Splicing, Termination & Connectorization FOC
- 48F Multimode FOC Testing with PM/LS and Documentation
- Installation and laying of Fiber Optic Patch cord for SAS (Substation Automation System) according to SEC Standards and Specifications..
- Installation and Splicing of Fiber optic Cable in FSTP (Fiber Splicing and termination Panel).
- Dressing of Fiber Cables in the Panels and in the OFMR according to SEC Standards.
- Testing and Commissioning of 2F Fiber Optic Patch cord through, Power Meter and Light Source with SEC approved documentation.
- Splicing and termination of FO cable in OPGW Joint closure.
- UNDER GROUND & OPGW FIBER OPTIC CABLE LINK maintenance work.
- OTDR Test and Documentation .A-B & B-A
- Power Meter, Optical Laser Source and Documentation . A-B & B-A



NEW! Powered by Windows 8.1 Pro



SAS & PDS UNDER GROUND & OPGW FIBER SYSTEM WORKS



- SAS Fibre Optic Cabling Solution , Premise Distribution System (PDS) ,
- Telecom Protection Fiber and Copper Cabling Solutions
- Covering the whole spectrum of IT including LAN & WAN networking infrastructure structured cabling SAS/ Overhead Power Transmission Lines/ OSP/ISP, SUBSTATION AUTOMATION SYSTEM, UNDER GROUND & OPGW FIBER .
- Turnkey Design and Implementation of Communication Networks
- Implementation of Enterprise Communication Networks
- Maintenance Support of Communication and Network Infrastructure
- Remote Fiber Testing Solutions





GSM CIVIL SITE CONSTRUCTION

Engineering Constructions and Projects (ECP) is a large part of PECO's telecom infrastructure delivery to various customers across the country. PECO's ECP offers turnkey telecom site construction services to its customers in the Northern, Southern, Eastern and Western parts of the country. We always strive to achieve total customer satisfaction by continuously improving our QMS and processes.

PECO's ECP has made its mark as a leader in the telecom infrastructure services industry with a high reputation for quality services, meeting delivery schedules and optimally priced services.

Scope Of Work:

- Site detailed survey and foundation design
- Implementation of Tower, Shelter and DG Foundation and other related civil work
- Tower Erection and Painting
- Earthing System for Cell site





GSM CIVIL PROJECTS



**Makkah- Madinah Railway
GSM Project**



**Makkah-Madinah Railway
GSM Project**



**Makkah-Madinah Railway
GSM Project**





LIST OF ON GOING PROJECTS SAUDI ELECTRIC CITY (SEC) PROJECTS

SR. NO.	PROJECT / CONTRACT TITLE AND BRIEF DESCRIPTION OF WORK	CONTRACTOR NAME	LOCATION
1	SAS & PDS WORKS at Interconnection of Driyah Gate SS#8240	Taareg Al Jaafari	Riyadh
2	SAS & PDS WORKS at Construction of Anood 2 115/13.5kV substation	Taareg Al Jaafari	Anood
3	SAS & PDS WORKS at CONSTRUCTION OF THUQBAH-2, 115/13.5kV substation	Taareg Al Jaafari	Thuqbah
4	SAS & PDS WORKS at CONSTRUCTION OF Al Dhabab, 115/13.5kV substation	Taareg Al Jaafari	Dhabab
5	SAS & PDS WORKS at Construction of Bedaie 115/13.8kV Substation	Taareg Al Jaafari	Bedaie
6	FOC WORKS Reinforcement of existing OLAYA-1 132/33kV substation	Taareg Al Jaafari	Riyadh
7	SAS & PDS WORKS at Construction of Al-Munisyah Project, 132/13.8kV SS#8126	PA COST	Riyadh
8	SAS Works Khalidiyah # Substation	JAL INTERNATIONAL	AL - HASA
9	SAS & PDS WORKS at Interconnection of Driyah Gate SS#8240	Taareg Al Jaafari	Riyadh
10	SAS & PDS WORKS at Construction of Anood 2 115/13.5kV substation	Taareg Al Jaafari	Anood
11	SAS & PDS WORKS at CONSTRUCTION OF THUQBAH-2, 115/13.5kV substation	Taareg Al Jaafari	Thuqbah
12	SAS & PDS WORKS at CONSTRUCTION OF Al Dhabab, 115/13.5kV substation	Taareg Al Jaafari	Dhabab
13	SAS & PDS WORKS at Construction of Bedaie 115/13.8kV Substation	Taareg Al Jaafari	Bedaie
14	FOC WORKS Reinforcement of existing OLAYA-1 132/33kV substation	Taareg Al Jaafari	Riyadh
15	SAS & PDS WORKS at Construction of Diriyah Gate 132/13.8kV Substation	Taareg Al Jaafari	RIYADH
16	SAS & PDS WORKS at Construction of NATA 115/13.8kV Substation	Taareg Al Jaafari	NARIYAH
17	SAS & PDS WORKS at Construction of Al-Munisyah Project, 132/13.8kV SS#8126	PA COST	Riyadh
18	SAS & PDS WORKS at Construction of 132/33kV SS#8238 for Wadi Safar	Maetal	RIYADH
19	SAS & PDS WORKS at Construction of 132/33kV SS#8239 for Wadi Safar	Maetal	RIYADH
20	SAS Works QATAR ROAD Substation	JAL INTERNATIONAL	AL - HASA
21	SAS Works Khalidiyah # Substation	JAL INTERNATIONAL	AL - HASA



LIST OF SUCCESSFULLY COMPLETED SAUDI ELECTRIC CITY (SEC) PROJECTS

SR. NO.	PROJECT / CONTRACT TITLE AND BRIEF DESCRIPTION OF WORK	CONTRACTOR NAME	LOCATION
1	SAS Works RANIA SUBSTATION	NOOR ENERGY	TAIF
2	SAS Works URBA SUBSTATION	NOOR ENERGY	TAIF
3	SAS Works AL HADA SUBSTATION	NOOR ENERGY	TAIF
4	SAS Works Hail S/S 9030 / Power plant	AI TOUKHI CO.	HAIL
5	SAS WORKS AL AFLAJ SS 8765	IBN Omairah	RIYADH
6	SAS & PDS WORKS SS-8187	IBN Omairah	RIYADH
7	SAS & PDS WORKS SS-8220	IBN Omairah	RIYADH
8	SAS WORKS Khamis Mushayat Housing	IBN Omairah	KHAMIS
9	SAS & PDS WORKS Airport Housing (#9050)	NCC	RIYADH
10	SAS & PDS WORKS AL BADRANI HOUSING 115/13.8 kV SS	L & T	RIYADH
11	Construction of new Sudair PV 380kV BSP SS 9036	Taareg Al Jaafari	Sudair
12	SAS Works construction of Dhahiyah SS	AL OSAIS CONTRACTINGCOMPANY	ARAR
13	SAS Works construction of Al Mazroeyah SS	AL FANAR CONSTRUCTIONS	AL - HASA
14	SAS Works AL MOHEIRES Substation	TAREG AL-JAAFARI CONT.	AL - HASA
15	SAS Works JABEL AL QARAH Substation	TAREG AL-JAAFARI CONT.	AL - HASA
16	SAS & PDS WORKS at Bisha 380kV SS	SSEM	BISHA
17	JALAJIL (S/S 9011) OPGW LINK FIBER OPTIC MAINTENANCE PROJECT	BATCO	QASEEM
18	BURIADAH (S/S 9029) UNDER GROUND FIBER OPTIC LINK MAINTENANCE PROJECT	CEPCO	BURIADAH
19	BURIADAH (S/S 8832) UNDER GROUND FIBER OPTIC LINK MAINTENANCE PROJECT	CEPCO	BURIADAH
20	CD/PMD testing of 48 Core FOC - at Juaymah	NCC	DAMMAM
21	CD/PMD testing -380 kV lines between Shuqaiq 2 to kudmi & Shuqaiq 2 – Shuqaiq 1 .	NCC	ABHA
22	PDS Cabling at Modon Jeddah 380kV SS	AL GIHAZ	JEDDAH
23	SAS WORKS AT NARIYAH NORTH	AL FANAR	NARIYAH



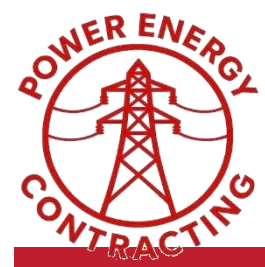
LIST OF SUCCESSFULLY COMPLETED OSP TELECOM PROJECTS

SR. NO.	SITE	CLIENT	LOCATION
1	FDT-120 / 121 / 122 / 145 / 013 / 006 / 004	MADAF/STC	Al-Malaga
2	SAUDI AIRLINES COMPOUND	FUJITSU / AWALNET	JEDDAH
3	<ul style="list-style-type: none"> ▪ WADI-1 & 2 COMPOUND ▪ DELTA-1 & 2COMPOUND ▪ RIYADH ROSE COMPOUND ▪ MINISTRY OF FOREIGN AFFAIR COMPOUND ▪ JADAWAL COMPOUND 	FUJITSU / AWALNET	RIYADH
4	<ul style="list-style-type: none"> ▪ University , Municipality & Ministry of Justice Connectivity ▪ Municipality, Ministry of Justice & Bank Al-Bilad, Connectivity ▪ Ministry of Finance, Sakaka ▪ Ministry of Justice, Qassim ▪ Municipality Al-Jouf ▪ Ministry of Finance , Momra Amanah ArAr ▪ Taqnia & Zain - Qurayat ▪ Majmah University 	Integrated Telecom Co. Ltd (ITC)	AL-JOUF
			Hail
			Sakaka
			Qassim
			Al-Jouf
			ArAr
			Qurayat
5	AL-SHIFA RIYADH	BIN SAMMAR/STC	Riyadh
6	FIBER WORKS	ARABIAN JAWADEFECO /STC	RIYADH
7	FIBER WORKS	ALHAMZI CONTRACTING/STC	RIYADH
8	FDT 003 / 007	TRANS/MOBILY	Riyadh
9	MODA Compound	MARSAL AL-JAZEERA/STC	Jeddah
10	FDT-002 (WADI-2 RIYADH)	FIRST ARROW /MOBILY	RIYADH
12	FDT-002 (QUDSIYA ONIAZAH)	BNC/MOBILY	ONAIZAH
13	FDT-083 (NAFEL) / FDT-079 / FDT-216	AWHAJ/STC	RIYADH
14	TABUK Metro Link	BNC/MOBILY	TABUK
15	FDT-005 & 009 (UM-AL-HAMMAM) / FDT-007 (SUWAIDI) / FDT – 009 (TA'AWUN)	CCS/MOBILY	RIYADH
16	FDT-021A , FDT113A, FDT071	STC / ITEA INTERNATIONAL LTD	Riyadh
17	FDT-027A, and other 20 different Sites	STC/Huawei	Buradah / Qassim



INTEGRATED SOLUTIONS





INTEGRATED SOLUTIONS OFFERING

Strategy Consulting:

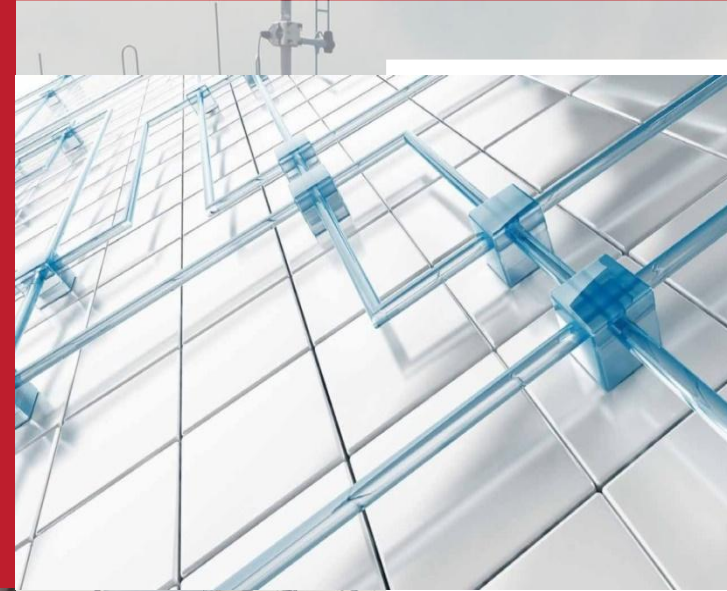
Project design, Project Engineering, Project management, Turnkey solutions and Support Services.

System Integration:

Multi Vendor Offering like Corning, MEFC, MOXA, Korenix, Cambium) CCTV Surveillance Systems (Axis, Siqura, Pelco)

Product Development and Maintenance:

Our customized solutions help you to maintain and protect the system.





TELECOMMUNICATION SYSTEMS

Engineering Solution:

Complete telecom Package Design (PDH, SDH & ETHERNET)

- Complete Engineering, Design, Implementation, Documentation and handing over of the projects.
- Structured cable design & Implementation.
- CCTV & Surveillance system.
- WAN, LAN & Data Communication.
- Planning & Installation of undersea fiber optic cables.

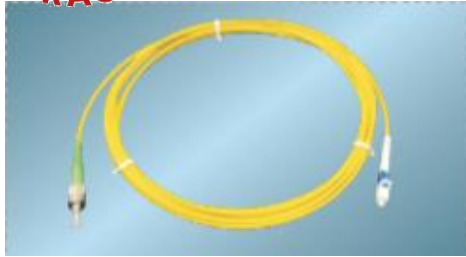
Globally Resourced Product Range

- Fiber Cables (Single & Multi mode Indoor & Out Door cables, Areal cables), Copper cables.
- Connectors, Patch panels, patch Chord & Pre-terminated cables, Consumable & Splice Items.
- Information Outlets, Joint Enclosure, telecom cabinets.
- Fiber & Temperature Monitoring Devices.
- Transceivers, Fiber Ethernet & Ring Switches.





SAS & TELECOM PRODUCTS



SINGLE MODE PATCH CORDS

MULTI MODE PATCH CORDS

OFMR_SAS_2200x800x800



OFMR_SAS_15Ux600x600



FSTP_SAS_48 ST/LC/FC/SC



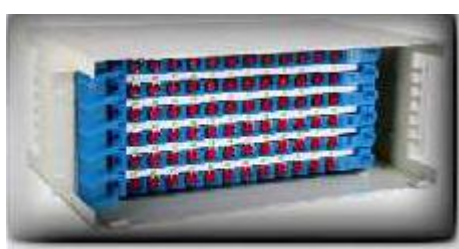
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TELECOM & NETWORK PRODUCTS

Fiber Optic Patch Panel & ODF



Fiber Optic Patch Cords



Fiber Optic Adapters



Fiber Optic Closures



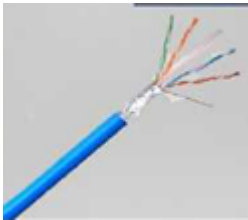
Cat3, Cat5, Cat5e, Cat6, Cat6A and Cat7 Network Cable (UTP, STP, SFTP & FTP)

Copper Network Patch Cords

Patch Panel

Modules & Face Plates







Network Cabinet



NEW! Powered by



BUSINESS PARTNERSHIPS

Manufacturer	Partnership	Products / Solutions
	Certified	Remote Fibre Testing Solutions
	Premium	Structured Cabling Solutions
	Premium	SAS & TELECOM Products
	Premium	Fiber Optic Cabling Solution
	Premium	Fiber Optic Cabling Solutions
	Premium	SAS & TELECOM Products



GENERAL INFORMATION

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