



COMEL

INDEX

- About us
- Mission and vision
- Values
- Markets:
 - Industrial Cables
 - Data-Voice and Coaxial
 - Fiber Optic
 - Solar
 - Custom Cable Assemblies
- Our Suppliers
- Our Projects
- Quality – Certifications
- Locations - Contact

About us

Commercial Electro-Industrial, S.A.
is a company specialized in
**TELECOMMUNICATION
AND INDUSTRIAL
cables and connectors.**

“ The broad spectrum that the cable market covers and the specialization that we have in COMEL as a comprehensive provider of solutions (industrial cables, fiber optics, voice and data, solar) allow us to be present in essential projects in different markets: automotive, naval industry, IT, telecommunications...



COMMERCIAL ACTIVITY since 1979



NATIONAL COVERAGE



PRESENCE IN IMPORTANT PROJECTS



To serve the **cable and accessories market** at an industrial and telecommunications level **globally**, covering all the solutions necessary for the client.

Vision

Mision

To position itself as a **market leader** in distributing special cables for the industry and telecommunications, investigating the national market and the **internationalization of its products**.

Values



TRUST



OPPORTUNITY



METHODOLOGY



TEAM



QUALITY

Markets



INDUSTRIAL
CABLES



DATAV-OICE
AND COAXIAL



FIBER OPTIC



SOLAR



CUSTOM
CABLE
ASSEMBLIES

Industrial Cables

Our product range in **CABLES** covers most needs, and a line of **industrial connectors** complements it for communications networks in production lines (Industrial Ethernet).



COMEL has broad experience in the Industrial sector after being an **exclusive distributor** of LAPP KABEL in Spain for more than 30 years. This has allowed us to get expertise in numerous **projects domestically and internationally**, participating in engineering to define and design special cables for specific applications in industries from various sectors.

COM INDUSTRIAL

Automotive

Railways

**Solar
Plants**

Marine

MILITARY

Oil & Gas

Wind Farms



INDUSTRIAL CABLE

- Power cables (universal, extreme conditions, servos, energy chains).
- Data transmission systems (RS485 / RS422, PROFIBUS, DEVICE NET, Sensors).
- Industrial connectors (rectangular, circular, solar).
- Metric and PG threaded cable glands and accessories (polyamide, brass, steel).
- Cable protection and guiding systems (plastic, metal tubes).
- Identification systems.
- Accessories and tools for cables.

INSTRUMENTATION AND CONTROL CABLES

- Control multi-connector cables (audio, communications, alarms, security).
- Paired control cables (classic, UL standard, CSA standard, frequency inverters).
- Cables for industrial sensors and actuators.
- Cables for the robotic industry (neoprene, rubber, silicone, high temperature).

INDUSTRIAL DATA-VOICE CONNECTORS

- System components for plant distribution Cat.6 / 6A / 7 / 7A.
- System components for installation in Cat. 6 / 6A / 7 / 7A cabinets.
- System components for field wiring (metal/plastic).
- Connectors from IP20 to IP67 and accessories.
- RJ45 and fibre optic connectors, adapters and patch cords.
- Tools and connection elements.



Fiber Optic

COMEL offers **turnkey solutions** for fiber optics FTTH projects, including project engineering to the supply of passive elements and implementation of active equipment.

“ The broad spectrum that covers the Optical Fiber market and the specialization that Comel has as a reliable solutions provider, also helped by our experience and stock, **makes us one of the leading suppliers of this market**, supporting and helping our customers at all times.

CMFOP
Installation
companies
Engineering
companies
Local and
national
telecom
operators
Power grid
companies



FIBER OPTIC CABLE

Singlemode / Multimode.

9/125 (OS2) – 62,5/125 (OM1) – 50/125 (OM2, OM3, OM4)

Dielectric protection / Mechanical protection.

Fiberglass / Kevlar – Corrugated steel strapping.

Exterior / Interior.

PE / LSZH.

Loose / Fitted.

ODN

Pigtails - ST, SC, LC, E2000, Pigtail Sets.

Jumper - Duplex, Simplex.

Connectors / Adapters - ST, SC, LC.

Boxes / Torpedoes - Interior / Exterior.

ACTIVE EQUIPMENT

ONT

1GE + 1 TELEFONÍA

4GE + 2 TELEFONÍA

4GE + 2 TELEFONÍA + WIFI

4GE + 2 TELEFONÍA + WIFI + RF

OLT

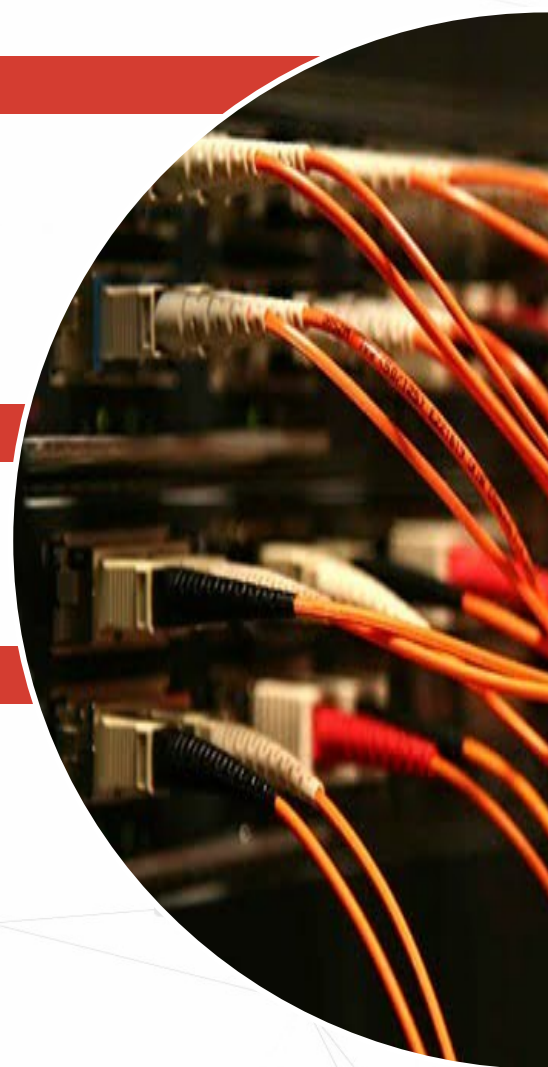
Small (Max. 2048 ONT)

Medium (Max. 6144 ONT)

Large (Max. 16384 ONT)

Transceiver.

Media converters.



Data-Voice and Coaxial

We have our **engineering and training Department**, in which we offer certification courses for installers and sales training to our distributors



COMEL offers complete solutions for **Ethernet networks**, either for the copper or the fibre optic markets. We cover customer needs in both the office environment and industrial facilities where **strength, protection and versatility** may be required. We complete this business line with our **coaxial solution**, where can be found cables and connectors upon customer demand.

COMELAN

**Radio
frequency**

Industrial

**Data
centers**

MILITARY

Residential

Video broadcasting



DATA-VOICE

Structured cabling UTP, FTP, SFTP, etc. From Cat. 5E to Cat. 8.
Singlemode and multimode fibre optic cables up to OM4, preconnected and without connection.
Keystone format RJ 45 modules, fibre faces and pigtailed.
Patch Panel (regular and intelligent), both in copper and fibre optics.
Patch Cord (screened and unshielded), both in copper and fibre optics.
Workstations (surface, built-in, false floor, table, etc.).
Wall and floor rack up to 47U and 1200 depth.
Switchgear (blank panels, grommets, PDU's, Sais, ventilation kits, etc.).

COAX

High and low frequency coaxial, rigid, semi-rigid and super flexible.
Coaxial crimp and solder connection connectors.
Loads, attenuators, aerial and panel transitions.
Gas dischargers.
Patch panel for transitions.
Hoses with any connection and of any size.



Solar

This **new range** is made of cable systems for DC; both control in copper, aluminium and fibre optics; MC4 connectors and bypass connectors; grounding systems, terminals, harnesses, etc.



Given the **spectacular growth** in the generation of renewable energy in Spain, COMEL has launched a new line of products for the sector of **photovoltaic plants and self-consumption** facilities.

COMEL SOLAR

Self-
consumption

Photovoltaic
plants



SOLAR CONDUCTORS

Type H1Z2Z2-K in copper from 2.5 to 185 mm² Y RV, XZ or CM SOLAR IEC 60502-1 in aluminium from 25 to 630 mm²

CONNECTORS

MC4 1500 V (DC) UL and TUV certified up to 63 A., compatible.

Aerial fuses: cable / cable, cable / MC4 male, cable / MC4 female and MC4 male / female.

Harness MC4: range of patch cords, branches and trifurcations of factory-connectors cables.

Insulation connectors.

OPTICAL FIBER

Singlemode OS2 and Multimode OM1 and OM2.

Unitube or multitube up to 24 FO and multitube up to 96 FO.

Cables with dielectric and metallic anti-rodent armour.

Traction between 1000 and 2500 Nw.

BUS CABLE

Control of systems where telecommunications cables are required for RS 485 protocols.

Cables for interconnection buses, Canbus, Modbus or Ethernet protocols.

CONNECTION TERMINALS

Wide range of terminals for conductors up to 630 mm² | Copper, aluminium and bimetallic.

Complying with EN50182 and EN13600 standards.



Custom Cable Assemblies

We provide
CONSULTANCY, TECHNICAL ADVICE
and **IMPLEMENTATION**
of products related to electric and
electronic connectivity.



COMEL has developed a new business line to give a value-added service and satisfy the continuous growing demand from our customers within this area. We offer complete solutions in **manufacturing, electronic equipment connectivity and cable assemblies.**

COM SISTEMAS

Aeronautical

Marine

MILITARY

Railway

Automotive

Industrial

Telecom



COAXIAL – RIGID AND SEMI-RIGID CABLES

Military
Radio frequency
Video-communication

INDUSTRIAL AND MILITARY RECTANGULAR OR CIRCULAR CONNECTORS

Machine tools
Robotic arms
Aerospace
Naval
Railway

CABINET MOUNTING, WIRING AND EQUIPMENT INTEGRATION

Telecommunication

SETS AND SUBSETS OF ELECTRICAL AND ELECTRONIC CONNECTIONS

State security
Connected wiring for LED lighting
Automotive
Lift systems
Shops



Our Suppliers



Telegärtner



LAPP GROUP

EM INDUSTRIAL

SIEMENS

indra

sacyr

Sothis

kapsch >>>

cellnex

aicox
soluciones

100 YEARS
SICE

cobra

BOSCH

elecnor

POWER ELECTRONICS®

Our Projects

EMFOP

MÁSMÓV!L

xfera



DIGI

MADRID



cellnex

vodafone



nowo

AVATEL
TELECOM

Redexis
gas



Correos
Telecom

Canal
de Isabel II

Our Projects

CMLAN



elecnor



vodafone



Telefonica



cellnex



IBERDROLA



MERCADONA



satlink

Our Projects

EM SISTEMAS

Atos

INSTER

cellnex

rtve

aicox
soluciones

INDITEX

ATRESMEDIA

indra

tecnaTom

frost-trol



Our Projects

Quality



Since 1996 we have the ISO Quality Certification that endorses us as managers of exemplary service to our clients, with high-quality products.



Bureau Veritas Certification

Certificación

Concedida a

COMERCIAL ELECTRO INDUSTRIAL, S.A.

CL SIERRA DE GUADARRAMA,74 PG IND SAN FERNANDO II -
28830 - SAN FERNANDO DE HENARES - MADRID- ESPAÑA

Bureau Veritas Certification certifica que el Sistema de Gestión ha sido auditado y
encontrado conforme con los requisitos de la norma:

NORMA

ISO 14001:2015

El Sistema de Gestión se aplica a:

COMERCIALIZACIÓN DE CABLES ELÉCTRICOS, CABLES DE FIBRA ÓPTICA, MATERIAL DE CONEXIÓN, EQUIPOS DE RED LOCAL, HERRAMIENTAS DE PELADO Y ENGASTE Y ACCESORIOS. REALIZACIÓN DE CABLEADOS A MEDIDA (COAXIALES, CABLES, INSTRUMENTACIÓN Y CONTROL Y SEÑALIZACIÓN Y DATOS).

Número del Certificado:	ES130344 - 1
Aprobación original:	30-08-2019
Auditoría de certificación/renovación:	31-05-2022
Caducidad de ciclo anterior:	29-08-2022
Certificado en vigor:	30-08-2022
Caducidad del certificado:	29-08-2025

Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación

Bureau Veritas Iberia S.L.
C/ Valpantillo Primera 22-24, Edificio Caoba, 28108 Alcobendas - Madrid, España



Bureau Veritas Certification

Certificación

Concedida a

COMERCIAL ELECTRO INDUSTRIAL, S.A.

CL SIERRA DE GUADARRAMA,74 PG IND SAN FERNANDO II -
28830 - SAN FERNANDO DE HENARES - MADRID- ESPAÑA

Bureau Veritas Certification certifica que el Sistema de Gestión ha sido auditado y
encontrado conforme con los requisitos de la norma:

NORMA

ISO 9001:2015

El Sistema de Gestión se aplica a:

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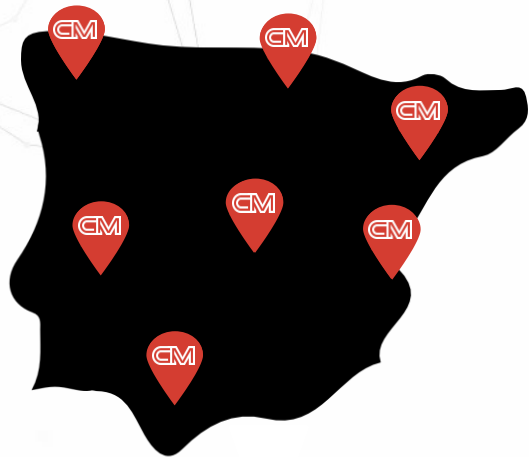
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Aprobación original:	14-12-2002
Auditoría de certificación/renovación:	31-05-2022
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Certificado en vigor:	30-08-2022
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