SEALCON

Leading Provider of Cable Management Solutions

THE BLUEPRINT FOR BETTER DATA CENTERS: THREE CASE STUDIES

CABLE HARNESSING



Case background: A leading global electrical design firm partnered with two big tech companies in their immediate and massive infrastructure expansion to support burgeoning data center needs.

The challenge: Designing and delivering a highly customized cable harnessing & power solution specifically engineered for stepping down high power demands. The firm crucially needed a manufacturing partner that could guarantee volume and reliability for continuous, steep production requirements.

The solution: The electrical design firm secured its solution with Sealcon. This enabled the three-year development and scaling of design-specific cable glands to meet the tech giants' demands.

SOLAR TURBINES



Case background: An energy provider delivers power through solar turbines to remote data centers where the conventional grid is unreliable or unavailable.

The challenge: The complex solar turbine electrical systems require advanced protection against electromagnetic interference (EMI). The company has a critical need for specific nickel-plated brass cable glands that could provide robust shielding for sensitive internal components.

The solution: Sealcon delivered the specialized nickel-plated brass cable glands, which mitigated the risk of EMI in the wiring harness. This reliable partnership bolstered system integrity, ensuring the data centers wouldn't be reliant on unstable local power grids.

LIQUID COOLING



Case background: An expert technology supplier introduced cutting-edge liquid cooling solutions for large-scale data center infrastructure. Their systems support a top global technology giant.

The challenge: The liquid cooling system requires a highly durable nickel-plated brass cable gland to protect the VLT HVAC Drive units mounted on the main racks. This is crucial for operational lifespan and preventing downtime. The company needed a supplier that could meet material specifications while also adhering to a demanding production schedule.

The solution: Sealcon delivered the durable glands ahead of schedule, allowing the provider to meet the tech giant's aggressive deployment timeline.

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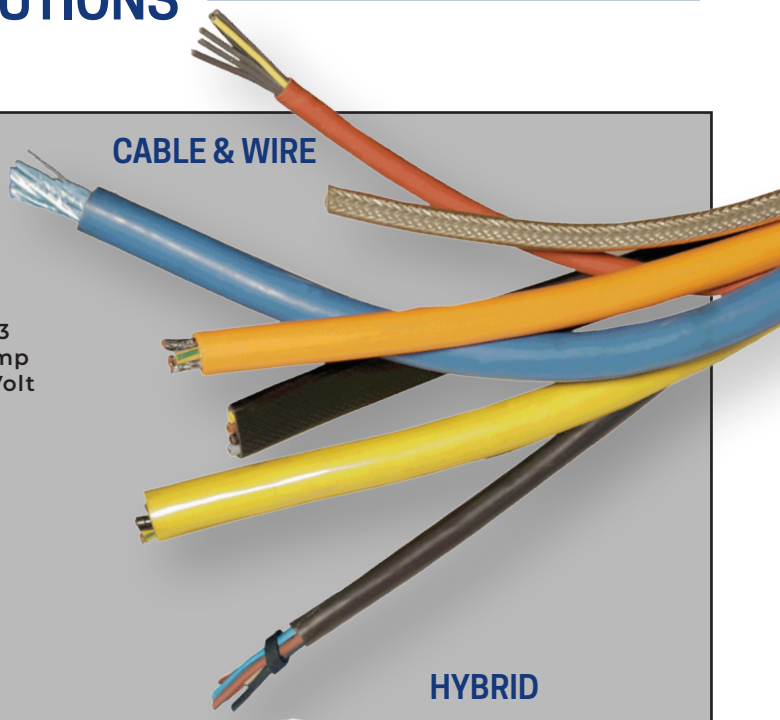
MORE CABLE MANAGEMENT SOLUTIONS FROM SEALCON

CABLE & WIRE



POWER CONNECTORS



M40
28-55 Amp
2500-4000 Volt

M23
16 Amp
630 Volt

M12
16 Amp
630 Volt

Power | M12 | M23 | M40

CABLE GLAND ACCESSORIES



- Adapters, Reducers and Enlargers
- Hole Plugs, Dome Plugs, Locking Nuts
- Nylon, Nickel Plated Brass, Stainless Steel
- Blind Plugs, O-Rings, Seal Rings and more

HYBRID CONNECTORS



Hybrid | M16 | M23 | M40
Power | Signal | Ethernet

INDUSTRIAL ENCLOSURES

- Type NEMA 4x (IP67) and IP 69K & 10K Impact Resistance
- Material: Polycarbonate, Fiberglass, Pushbutton
  Features: Smooth walls, PG/Metric Knock-Outs, Solid/Transparent Lids, Hinges, Latches



CONDUIT



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