



AMC CORRONEX

AMC CORRONEX LR

Lloyd's Registered Cables for Maritime Excellence

Corronex LR cables are designed for demanding marine and offshore environments where safety, reliability and long-term performance are essential. Manufactured in the UK using tinned Class 5 copper conductors, EPR insulation and a halogen-free, flame-retardant sheath, they provide durability in saltwater, chemically aggressive conditions and areas with high mechanical stress. Approved by Lloyd's Register and tested to key IEC standards, Corronex LR ensures dependable operation across critical systems on vessels of varying sizes and functions.

With a wide operating temperature range from minus 40°C to plus 90°C, and available in single core sizes from 1 mm² through to 35 mm², Corronex LR cables maintain stable performance in enclosed, high-moisture and corrosive settings. Their low-smoke, halogen-free construction reduces toxic emissions and supports safer on-board conditions in the event of fire. Robust construction and proven endurance make Corronex LR suitable for long service life in essential power, communication and navigation circuits throughout marine and offshore installations.

Features

EPR insulation and HFFR sheath provide reliable protection in demanding marine operating conditions.

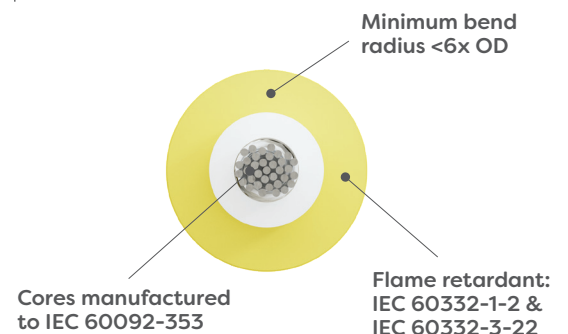
Tinned Class 5 copper conductors deliver strong corrosion resistance in saltwater environments.

Flame-retardant materials reduce fire spread and support safer performance in confined spaces.

Halogen-free construction limits toxic gas release and enhances occupant and equipment safety.

Strong resistance to oil, diesel and diluted acids ensures dependable service life in harsh areas.

Flexible construction supports efficient installation within restricted spaces and complex cable routes.



Key reasons to choose Corronex LR

Compliance and market access

Meeting the requirements set by Lloyd's Register and relevant IEC marine standards, Corronex LR supports installation on a broad range of approved vessels and offshore structures. This level of compliance assists in contract eligibility and ensures that marine electrical systems satisfy recognised international safety and performance criteria.

Assurance of quality

Lloyd's Register approval demonstrates that Corronex LR cables have been independently assessed to rigorous marine standards. This includes detailed inspection of construction, materials and flame performance. The accredited status provides confidence that each cable is manufactured to provide reliable, predictable performance throughout demanding operational conditions at sea.

Traceability and confidence

Every Corronex LR cable is fully traceable, supporting robust quality control and maintenance processes. This traceability ensures that engineers and operators can verify compliance and performance, which is particularly important within critical marine environments where electrical component integrity is essential to safety and operational continuity.

Specific application suitability

Corronex LR is developed for marine and offshore systems operating in corrosive, moisture-heavy and high-temperature conditions. Its construction supports stability and reliability across essential circuits including power, communication and navigation, particularly within enclosed or high-load areas where dependable electrical performance is vital.

Benefits

Low-smoke, halogen-free properties reduce hazards to crew and equipment during fire conditions.

Stable electrical performance supports reliable operation of essential power and control circuits.

Tinned copper conductors extend service life in corrosive marine environments.

Fully compliant with Lloyd's Register standards for approved vessel installations.

Halogen-free materials limit environmental impact and improve safety in enclosed spaces.

UV-resistant outer sheath supports long-term durability in exposed marine and offshore environments.

Typical Applications



MARINE WIRING



HAZARDOUS ENVIRONMENTS



MARINE AND OFFSHORE



SUBMERSIBLE PUMPS



EMERGENCY LIGHTING



MOTOR BOATS (MARINE)



BILGE PUMPS



CONTROL AND PLANT ROOMS



SECURITY SYSTEMS

Part No.	Conductor Specification (mm)	Conductor Cross Section (mm ²)	Maximum Overall Diameter (mm)	Nominal Current Rating (Amps)	Maximum Resistance Per Metre at 20°C (Ohms)	Sheath Colours	Reel Sizes (Metres)
CLR1	32/0.20	1	5.6	16.5	0.01910	Blue/Yellow/ Black/Red	30, 50, 100, 500
CLR1.5	21/0.30	1.5	5.8	21	0.01300		
CLR2.5	35/0.30	2.5	6.2	29	0.00782		
CLR4	56/0.30	4	6.6	39	0.00485		
CLR6	84/0.30	6	7.3	50	0.00323		
CLR10	80/0.40	10	8.4	70	0.00185		
CLR16	203/0.30	16	9.8	110	0.00124		
CLR25	322/0.30	25	11.5	170	0.00079		
CLR35	455/0.30	35	14.4	240	0.00056		

The conductor specifications shown are representative configurations; actual cable strand may differ slightly, but will meet the resistance values shown. Nominal current amperage ratings are provided as a guide only, and can vary depending on the application, condition and environmental factors. If in doubt, please consult a qualified electrician.

* Indicates values of the sheathing compounds not the finished cable.