

TrustLink™ Hybrid



Power and optical communication in one compact solution for subsea systems

The TrustLink Hybrid connector combines fibre optic and electrical functionality in a single, compact unit, eliminating the need for multiple connectors in space-constrained subsea systems. The optical passes, available in single-mode or multi-mode, ensure high-speed data and video transmission with minimal loss under pressure. Additionally, the electrical contacts provide reliable power delivery for mission-critical equipment.

Our expanded-beam optical design enhances durability and simplifies cleaning, thereby reducing maintenance downtime. The connector's streamlined footprint facilitates easier integration in tight layouts. It is supplied with a protective boot as standard, which guards against cathodic delamination and ensures long-term reliability in demanding subsea environments.

MacArtney terminates every assembly to ensure performance and compatibility with recommended or client-specific cable solutions.

■ Latest revision
■ available online



Applications

- ROVs, AUVs, and trenchers
- Naval systems and equipment
- Oceanographic instruments and subsea nodes
- Seismic and survey systems
- Underwater cameras, video, and lighting
- Offshore oil & gas and renewable energy systems
- Power supply for underwater pumps
- Harsh environment monitoring and telemetry

Options

- Single-mode and multi-mode fibre combinations
- Custom cable assemblies and terminations through all MacArtney global workshops

” *TrustLink Hybrid is developed in response to customer demand for a small, all-in-one connectivity solution that supports numerous applications.*



Part number list

TrustLink Hybrid

HY CCP C 2SM 4 M SS BO H1

	HY	CCP	C	2SM	4	M	SS	BO	H1
Range	HY	Hybrid							
Type	CCP	Cable Connector Plug							
	FCR	Flange Connector Receptacle							
	BCR	Bulkhead Connector Receptacle							
	PC	Pressure Cap							
	DC	Dust Cap (POM)							
Shell size	C	C size							
Optical contacts	2	SM or MM							
Electrical contacts	4	Electrical contacts							
Gender	F	Female							
	M	Male							
Material	SA	Body: Stainless Steel, Locking sleeve: Aluminium Bronze							
	SS	Stainless Steel (AISI 316)							
	TI	Titanium (Gr. 2)							
	AB	Aluminium Bronze							
Sealing	DB	Dry Box						FCR and BCR	
	OM	Overmould						CCP	
	BO	Boot stud						CCP	
Boot size or pigtail	ST	ST connector*							
	LC	LC connector*							
	H1	Boot for cable ø10.5							

*Specified length: 0.3-1.4 metres