

# 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



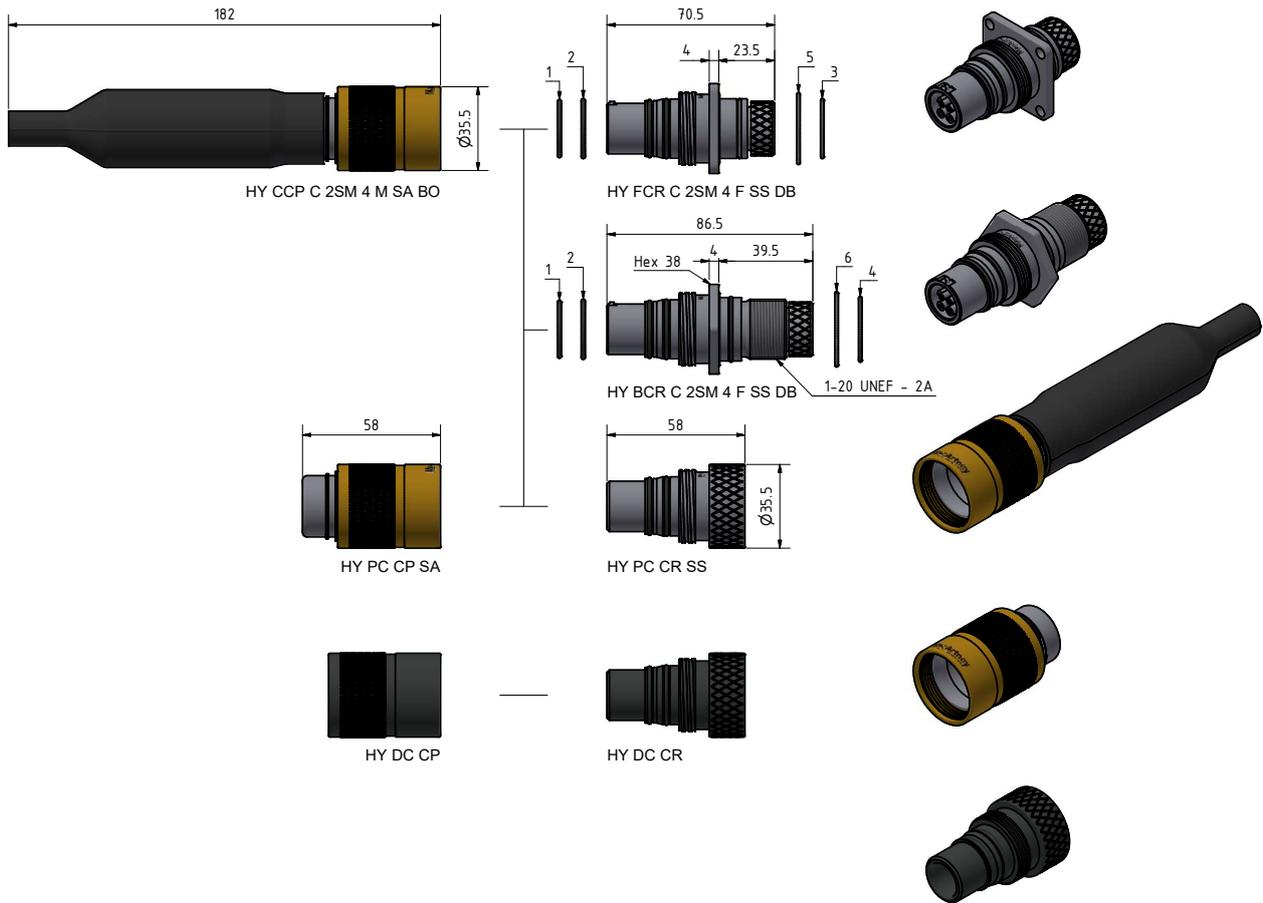
### Applications

- 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





O-rings:

1.  $\varnothing 20.35 \times 1.78$  FPM-75
2.  $\varnothing 21.95 \times 1.78$  FPM-75
3.  $\varnothing 22.50 \times 1.50$  FPM-75
4.  $\varnothing 24.50 \times 1.50$  FPM-75
5.  $\varnothing 27.50 \times 1.50$  FPM-75
6.  $\varnothing 29.00 \times 1.50$  FPM-75

All measurements in millimetres (mm)

For technical information  
and instructions  
**Scan QR code**



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

\*Specified length: 0.3-1.4 metres