

Hydro Group have overcome offshore installation difficulties with the design and production of a deck-mate connector, taken from the original junction box design, which allows installation times on the barge to be reduced from weeks to days or possibly even hours.

Electrical	
No. of contacts	3 of
Voltage	11 kV
Frequency	50 - 100 Hz
Maximum current	500 amps
Partial discharge	< 10 pc
Power	6 - 8 MWatt

Fibre Optic	
Max no. of fibre optic cores	12
Characteristics	single / multi mode
Optical attenuation	0.5 dB mated pairs

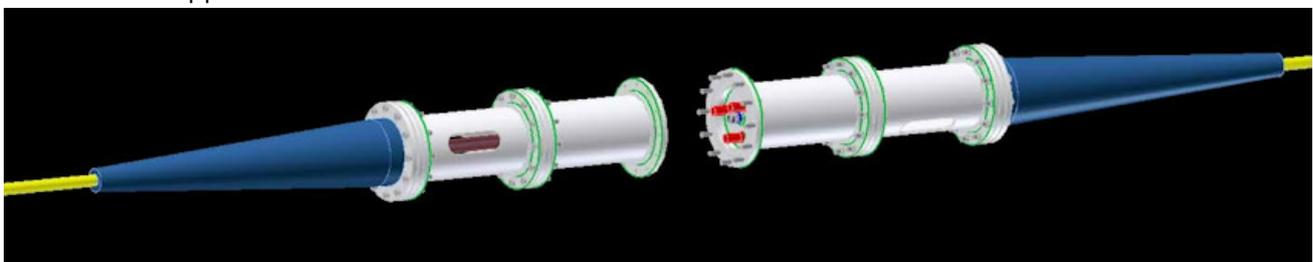
Mechanical	
No. of matings	< 100
Submerged design life	25 years
Connection method	Topside (Dry-mate)
Note: Weak link shear pins can be incorporated in the termination design	



There is also a future development plant for 22 kV - 33kV capacity

Environmental	
Water depth rating	< 100 meters
Working temperature range	-20 - 25°C
Reduced installation time	Yes
Reduced offshore time	Yes
Loop back integrity test	yes
Protective casing & fairings	yes
Reduced project risk	yes
Health & Safety compliant	yes

- Working to IEC - TC 114 / IEC - 60502 & API -17E (guideline)
- Bend stiffeners
- Splice boxes
- Sub-sea cable
- On site support



Hydro Group also design and manufacture custom designed



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