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HYFLEX 50mm² Single Core Submersible Power & Control Cable

Saltwater, Oil & UV Resistant • Flexible & Robust Design • 600/1000V

HYFLEX MADEIN CE ROHS

Features & Benefits

HYFLEX cables in general are designed to offer exceptional flexibility and robustness, making them an excellent choice for deployment in harsh dynamic environments and where exposure to oil or high temperatures are considerations.

This specific HYFLEX variant has been designed with offshore industrial applications in mind; selecting material grades and construction parameters specifically suited to saltwater submersion and challenging marine environments.

Cable Construction



Conductor 50mm² Flexible Stranded Tinned Annealed Copper (IEC 60228 Class 5)

Insulation Extruded EPR (Ethylene Propylene Rubber) to BS 7655 Type GP4/GP7

Sheath Extruded PUR (Polyurethane)

Colours & Identification

Insulation Colour Natural

Outer Sheath Colour Orange with Blue Stripe*

*Available in colour schemes to customer requirements

Properties & Standards

Design Standards Generally to IEC 60502-1

	Electrical Voltage Rating Max Conductor Resistance (@20°C)			600/1000 0.393	V Ω/km	
		ince (@	20 C)	1000	IVIS2/ KITI	
	Physical					
	Maximum Submersible Depth			200	m	
	Minimum Fixed Bend Radius			5	x OD	
	Minimum Dynamic Bend Radius			8	x OD	
	Approximate Weight			608.69	kg/km	
	UV Resistance			Yes		
	Water/Saltwater Resistance			Yes		
	Abrasion Resistance			Yes		
	Ozone Resistance	Yes	Test N	1ethod EN/IEC 60811		
	Oil Resistance	Yes	Test N	1ethod EN/IEC	60811	
	-					
I emperature						
	Maximum Dynamic Temperature			80	-C	
	Minimum Dynamic Temperature			-40	°C	
	Maximum Fixed Temperature			90	°C	
	Minimum Fixed Temperature			-55	°C	
	Max. Short Term Fixed Temperature			120	°C	
	Fire Performance					

IEC 60754

EN 60754

Nominal **Dimensions**

Conductor Cross Sectional Area	50	mm²
Conductor Stranding	396/0.4	mm
Diameter over Insulation	12.54	mm
Outer Sheath Diameter	16.14	mm

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