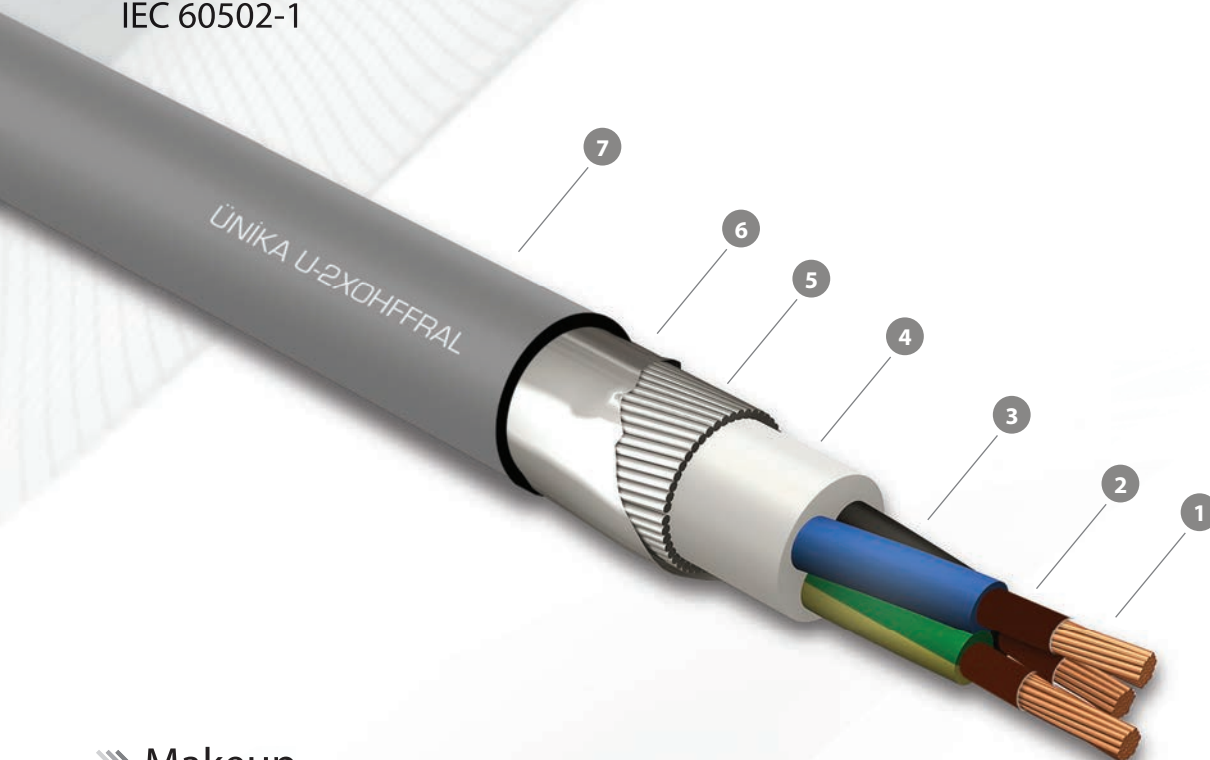


# OIL and GAS ONSHORE POWER CABLES

U-2XOHFFRAL / 2XR(A)H FR 0,6/1kV  
 CU/MGT/XLPE/HFFR-F/AWA/LSOH  
 IEC 60502-1



## »» Makeup

- |   |                     |   |
|---|---------------------|---|
| 1 | <b>Conductor</b>    | : Annealed circular stranded or compact copper wires complying with IEC 60228 Class 2 |
| 2 | <b>Mica Tape</b>    | : Helical applied fire resistant tape   |
| 3 | <b>Insulation</b>   | : Cross-linked polyethylene, XLPE in accordance with IEC 60502-1                      |
| 4 | <b>Bedding</b>      | : Halogen-free compound   |
| 5 | <b>Armour</b>       | : Aluminium wire in accordance with IEC 60502-1                                       |
| 6 | <b>Tape</b>         | : Polyester or aluminium wrapping tape  |
| 7 | <b>Outer Jacket</b> | : Halogen-free compound, ST8 in accordance with IEC 60502-1                           |

## »» Technical Features

**Operating Temperature** : -40/90 °C

**Rated Voltage** : 0,6/1 kV

**Design Guide** : IEC 60502-1

**Halogen Free Properties** : IEC 60754-1 & IEC 60754-2

**Low Smoke Emission** : IEC 61034-1 & IEC 61034-2

**Flame Retardancy** : IEC 60332-1

**Flame Propagation** : EC 60332-3-22 Cat. A

**Fire Endurance** : EC 60331-21

**Cold Bend** : CSA C22.2 No. 0.3-09 ( -40°C )

**Cold Impact** : CSA C22.2 No. 0.3-09 ( -35°C )

## »» Application

Fixed installation for power, control and lighting in safe areas, emergency, critical oil and gas onshore and industrial plants.

## U-2XOHFFRAL / 2XR(A)H FR 0,6/1kV CABLE DATA SHEET

Item	Type	Cross-section (mm <sup>2</sup> )	Weight (approx.)		Outer Diameter (approx.) (kg/km)	Max. Conductor Resistance at 20 °C (ohm/km)	Max. Current Carrying Capacity	
			Nom.				Conductor Temperature at 90 °C	Ambient Temperature at 45 °C
							(A) ( Air )	
1.	U-2XOHFFRAL- 2XR(A)H FR	2 x 2,5	318		15,2	7,41		27
2.		2 x 10	645		20,1	1,83		60
3.		2 x 25	1280		27,6	0,727		108
4.		3 x 2,5	399		16,7	7,41		22
5.		3 x 10	757		21,1	1,83		50
6.		3 x 25	1544		29,2	0,727		88
7.		4 x 2,5	459		17,8	7,41		22
8.		4 x 10	988		23,9	1,83		50
9.		4 x 25	1887		31,8	0,727		88