




Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.	4591702 HH
Company	Üntel Kablolari Sanayi ve Ticaret A.S. Alemdag Caddesi Siteyolu 81230 Ümraniye, Istanbul, TURKEY
Product Description	XLPE insulated and PVC sheathed shipboard power and control cable with or without armour
Type	M2XY-FR M2XCY-FR
Environmental Category	None
Technical Data / Range of Application	Rated voltage: 0,6/1 kV Max. operating conductor temperature: 85° C Conductor: Stranded copper conductor (class 2) Insulation: XLPE Armour / screen: Copper wire braid Outer sheath: PVC (ST2) Application category: 1 for M2XCY-FR and cat. 2 for M2XY-FR Number of cores: Cross-sectional area: 1 1,5 mm ² to 300 mm ² 2 1 mm ² to 25 mm ² 3 1 mm ² to 125 mm ² 4 1 mm ² to 95 mm ² 5 1 mm ² to 2,5 mm ² 7 to 37 1 mm ² and 1,5 mm ²
Test Standard	IEC 60092-350:2001; IEC 60092-351:2000; IEC 60092-353:2001; IEC 60092-359:1999; IEC 60332-1:2004; IEC 60332-3 / AF:2000
Documents	Test report : No. 02/11/400/1 and 02/11/401/1 Specification: Üntel Kablolari Product Specifications
Remarks	None
Valid until	2013-01-24
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File No. I.N.01	
Hamburg, 2008-01-25	

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Wolfgang Voß

Reinhard Fenster

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".