

## Type Approval Certificate Extension

This is to certify that Certificate No. 07/10040(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Wilson Cables Private Limited	
<b>PLACE OF PRODUCTION</b>	142, Gul Circle, Jurong Industrial Estate, 629602, Singapore	
<b>DESCRIPTION</b>	150/250V XLPE Insulated LSOH Sheathed Shipboard Instrumentation Cables	
<b>TYPE</b>	MIM-200	XLPE insulated, Multi-core, Collective screened, LSOH sheathed cables
	MIM-200C MIM-200T MIM-200Q	XLPE insulated, Multi-core, Collective screened, LSOH inner sheathed or covering, Wire braided(*), LSOH outer sheathed cables Note (*) C: copper, T: Tinned Copper, Q: Steel
	MIC-200	XLPE insulated, Multi-pair, Collective screened, LSOH sheathed cables
	MIC-200C MIC-200T MIC-200Q	XLPE insulated, Multi-pair, Collective screened, LSOH inner sheathed or covering, Wire braided(*), LSOH outer sheathed cables Note (*) C: copper, T: Tinned Copper, Q: Steel
	MIP-200	XLPE insulated, Multi-pair, Individual & Collective screened, LSOH sheathed cables
	MIP-200C MIP-200T MIP-200Q	XLPE insulated, Multi-pair, Individual & Collective screened, LSOH inner sheathed or covering, Wire braided(*), LSOH outer sheathed cables Note (*) C: copper, T: Tinned Copper, Q: Steel
<b>Certificate No.</b>	07/10040(E2)	
<b>Issue Date</b>	25 October 2012	
<b>Expiry Date</b>	24 October 2017	
<b>Sheet</b>	1 of 3	

  
 S. Nakauma  
 Yokohama Design Support Office  
 Lloyd's Register Group Limited

Lloyd's Register, registered office:  
71 Fenchurch Street, London EC3M 4BS

"Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

Abbreviation ; XLPE Cross-Linked Polyethylene  
LSOH Low Smoke Halogen Free  
Thermoplastic Compound

## APPLICATION

Fixed wiring in marine and offshore installations

## DESIGN CODE STANDARD

Manufacturer's specifications :  
Company Standard 8 (2008) & Amendment No.1(2009)  
IEC 60092-350 (2008), IEC 60092-351 (2004),  
IEC 60092-359 (1999), IEC 60092-376 (2003),  
IEC 60332-1 (2004), IEC 60332-3-22:Category A (2009),  
IEC60754-1(1994), IEC60754-2(1991), IEC61034-1/2(2005)

## RATINGS

Type	Rated Volt. (V)	No. of Cores (Pairs)	Conductor Cross-Section (mm <sup>2</sup> )	Max. Continuous Service Temp. (°C)
MIM-200 MIM-200C MIM-200T MIM-200Q	150/250	2 to 37C	0.5, 0.75, 1.0, 1.5	90
MIC-200 MIC-200C MIC-200T MIC-200Q	150/250	1, 1T, 2(1Q), 3 to 30P	0.5, 0.75, 1.0, 1.5	90
MIP-200 MIP-200C MIP-200T MIP-200Q	150/250	2 to 30P	0.5, 0.75, 1.0, 1.5	90

Note 1) 'No of Cores' is selected from the following series:-  
2, 3, 4, 6, 7, 8, 10, 12, 16, 19, 20, 24, 27, 37

Note 2) 'No of Pairs' is selected from the following series:-  
1, 1T, 2(1Q), 3, 4, 6, 7, 8, 10, 12, 14, 16, 19, 20, 24, 27, 30

Note 3) C : core                      P : pair                      T : triple                      Q : quad

Certificate No.                      07/10040(E2)  
Issue Date                              25 October 2012  
Expiry Date                              24 October 2017  
Sheet                                      2 of 3

  
S. Nakauma  
Yokohama Design Support Office  
Lloyd's Register Group Limited

Lloyd's Register, registered office:  
71 Fenchurch Street, London EC3M 4BS

"Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. 07/10040(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 07/10040(E1) to which this extension should be attached.

Certificate No.	07/10040(E2)
Issue Date	25 October 2012
Expiry Date	24 October 2017
Sheet	3 of 3



S. Nakauma  
Yokohama Design Support Office  
Lloyd's Register Group Limited

*Lloyd's Register, registered office:  
71 Fenchurch Street, London EC3M 4BS*

"Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."