



## Product Type Approval Certificate

*Full*

This certificate is issued to:

<b>Supplier name and address:</b>	CableGrid Australia Pty Ltd 224 Stafford Road, Stafford QLD 4053
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In respect of:

<b>Manufacturer:</b>	KEI Industries Ltd
<b>Place of manufacture:</b>	Unit 3: 280 – 284, Chopanki Industrial Area, Bhiwadi – 301 019, Alwar, Rajasthan, India.
<b>Product description:</b>	KEI product code: C405Z-66-150-Cu - 38/66 kV 1-Core 150 mm <sup>2</sup> compacted copper conductor, semi-conductive conductor screen, XLPE insulated, semi-conductive insulation screen, semi-conductive water swellable tape, lead alloy sheath, semi-conductive water swellable tape, 98 mm <sup>2</sup> plain annealed copper metallic screen + DTS integrated optical fibre, non-conductive water swellable tape, PVC 5V-90 inner sheathed (MAP 2.00 mm), high density polyethylene (HDPE) outer sheathed (MAP 2.00 mm). Cable designed as per TfNSW standard T HR EL 20001 ST V1.0
<b>Use approved for:</b>	Applications in accordance with T HR EL 20001 ST V1.0
<b>Conditions of approval:</b>	Approvals apply to ASA evaluated material grades only – details held by ASA. Changes to insulation and sheathing material grades for use in this cable item require resubmission to ASA for technical evaluation.
<b>Limitations:</b>	Refer to T HR EL 20001 ST V1.0 for application restrictions such as tunnels for issues relating to LSOH, etc.

## Evaluating rail transport operator

<b>Name:</b>	Terry Niemeier
<b>Position:</b>	Lead Electrical Engineer, Asset Standards Authority, Transport for NSW
<b>Signature:</b>	<i>T Niemeier</i>
<b>Date:</b>	20/07/2020

**Product approval pack reference number:** fA885052