



Date : 12 July 2022

## CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	P119804-1001	CERTIFICATE NUMBER	568j/01 issue 06
DATE OF ISSUE	24 September 2021	DATE OF ISSUE	15 October 2021
DATE OF EXPIRY	N/A	DATE OF EXPIRY	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	RAMCRO S.p.A.	NAME OF THE BRAND	Ramfirecro – F3
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Via Marzorati, 15 20014 Nerviano Milan, Italy	MODEL / NO	Ramfirecro – F3 FIRE STAR
WEBSITE	<a href="http://www.ramcro.it">www.ramcro.it</a>	LOGO ON THE PRODUCT	
TEL	+39 0331 406 511	EMAIL	<a href="mailto:ramcro@ramcro.it">ramcro@ramcro.it</a>

BRE GLOBAL LTD  
BUCKNALLS LANE  
WATFORD WD25 9XX  
U.K.




Product Details From Test Report		Reference Test Report page NO
<p><b>DESCRIPTION OF THE PRODUCT</b> (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)</p>	<p>The 'Ramfirecro-F3 Fire Star cables comprise of a LTS 3 type zero halogen thermoplastic compound sheath encasing an outer polyester tape, tinned copper drain wire, aluminum polyester tape, inner polyester tape, plain annealed copper conductors insulated with EI2 type silicone rubber insulation with EI5 type material and MICA Tape.</p> <p>Ramfirecro-F3 Fire Star comply with the following standards: <b>BS7629-1:2015</b> <b>BS EN 50200 Min cat. PH120</b> Resistance to fire with mechanical shock. Exposed to fire @840°C for minimum 120 mins (PH120)</p> <p><b>BS EN 50200:2015 Annex E</b> Resistance to fire with water – Exposed to fire and mechanical shock@840°C for 15 mins then exposed to fire, mechanical shock @840°C with water for another 15 mins.</p> <p><b>BS EN 8434-2:2003+A2:2009(120 min)</b> Resistance to fire (60 min for the initial fire and impact phase followed by an additional 60 min for the fire, impact and water phase).</p> <p>RAMFIRECRO-F3 Rated Voltage: 300/500V</p> <ol style="list-style-type: none"> <li>Cross – Sectional Area: 1.0 mm<sup>2</sup>, 1.5 mm<sup>2</sup>, 2.5 mm<sup>2</sup> Conductor: solid and stranded</li> <li>Cross Sectional Area: 4.0 mm<sup>2</sup> Conductor: stranded only Core construction:(2, 3 &amp; 4)</li> </ol> <p>BRE GLOBAL LTD BUCKNALLS LANE WATFORD WD25 9XX U.K.</p>	
<p><b>TEST STANDARD</b> (SUCH AS ASTM/BS EN/ DN ETC)</p>	<ul style="list-style-type: none"> <li>- BS 7629-1:2015 Enhanced PH120</li> <li>- EN 50200:2015 (Class PH120)</li> <li>- BS8434-2:2003+A2:2009 (120 mins)</li> <li>- BS 5839-1:2013 (clause 26.2e Enhanced)</li> <li>- BS 6387:2013 Cat. C-W-Z</li> <li>- EN 60332-3-24:2009</li> </ul>	
<p><b>TEST DESCRIPTION</b></p>	<p>BS 7629-1:2015 Electric cables. Specification for 300/500 V fire resistant, screened, fixed installation cables having low emission of smoke and corrosive gases when affected by fire. Multicore cables EN 50200:2015 (PH120) Method of test for resistance to fire of unprotected small cables for use in emergency circuits</p>	




	<p>BS 8434-2:2003+A2:2009 Methods of test for assessment of the fire integrity of electric cables. Test for unprotected small cables for use in emergency circuits. BS EN 50200 with a 930° C flame and water spray BS 6387:2013 (Category CWZ) Test method for resistance to fire of cables required to maintain circuit integrity under fire conditions. EN 61034-2:2005+A2:2020 Measurement of smoke density of cables burning under defined conditions. Test procedure and requirements EN 60754-1:2014 Test on gases evolved during combustion of materials from cables. Determination of the halogen acid gas content EN 60332-3-24:2009 Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C BS 5839-1:2013 (Clause 26.2e Enhanced) Fire detection and fire alarm systems for buildings - Code of practice for design, installation, commissioning, and maintenance of systems in non-domestic premises</p>	
<b>SPECIFICATION OF TEST SPECIMEN</b>	<p>The tests were carried out to obtain certification on the following cables: 2x1.5 mm<sup>2</sup> Solid conductor 2x4 mm<sup>2</sup> Stranded conductor</p>	
<b>TEST RESULT</b> (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)	<p>All samples passed and complied with the requirements of the test standards above. This document is to be used in conjunction with certificate 568j/01 and it supersedes all previous versions of this certificate</p>	
<b>PRODUCT APPLICATION GUIDELINE (END USE)</b> (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ ETC.	<p>These special multicore cables are used for fire resistant and circuit integrity, and essentially to prevent life from smoke and noxious fumes, and where sensitive equipment may be damaged by acid forming gases.</p> <p style="text-align: right;">BRE GLOBAL LTD BUCKNALLS LANE WATFORD WD25 9XX U.K.</p>	N.A.



Laboratory and Certification body details			
<b>NAME OF CERTIFICATION BODY</b>	BRE Global Ltd.	<b>NAME OF TEST FACILITY</b>	BRE Global Ltd.
<b>CERTIFICATION BODY ADDRESS / REGION</b> <small>(STREET / TOWN / CITY / COUNTRY)</small>	Bucknalls Lane Garston Watford WD25 9XX United Kingdom	<b>TEST FACILITY ADDRESS / REGION</b> <small>(STREET / TOWN / CITY / COUNTRY)</small>	Bucknalls Lane Garston Watford WD25 9XX United Kingdom
<b>WEBSITE</b>	<a href="https://www.bregroup.com/about-us/bre-global/">https://www.bregroup.com/about-us/bre-global/</a>	<b>WEBSITE</b>	<a href="https://www.bregroup.com/about-us/bre-global/">https://www.bregroup.com/about-us/bre-global/</a>
<b>TEL</b>	+44 (0)333 321 88 11	<b>TEL</b>	+44 (0)333 321 88 11
<b>EMAIL</b>	<a href="mailto:BREGlobalEnquiries@bregroup.com">BREGlobalEnquiries@bregroup.com</a>	<b>EMAIL</b>	<a href="mailto:BREGlobalEnquiries@bregroup.com">BREGlobalEnquiries@bregroup.com</a>
<b>ACCREDITED BY</b> <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	UKAS <a href="http://www.ukas.com">www.ukas.com</a>	<b>ACCREDITED BY</b> <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	UKAS <a href="http://www.ukas.com">www.ukas.com</a>
<b>AS PER</b> <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	EN45011: 1998 / ISO 17065: 2012	<b>AS PER</b> <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	ISO 17025: 2017
<b>VALIDITY</b> <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	N/A	<b>VALIDITY</b> <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	N/A
<b>REFERENCE NUMBER:</b> <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	0007	<b>REFERENCE NUMBER:</b> <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	0578
<b>CERTIFICATION MARK</b>	 <p>BRE GLOBAL LTD BUCKNALLS LANE WATFORD WD25 9XX U.K.</p>		



<b>(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER</b>			
<b>NAME OF MANUFACTURER'S SIGNATORY</b>	Luca De Gregoriis	<b>SIGNATURE</b>	
<b>EMAIL / TEL</b>	<a href="mailto:lucadegregoriis@ramcro.it">lucadegregoriis@ramcro.it</a>	<b>FACTORY OFFICIAL SEAL</b>	<p>RAMCRO S.p.A. Via Marzorati, 15 20014 NERVIANO (MI) Tel. 0331.406.511 r.a. Fax 0331.406.529 - 0331.406.559 P.IVA 04698820158</p>
<b>NOTES:</b> I Undertake that all data and information provided are genuine and accurate			

<b>(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY</b>			
<b>NAME OF CERTIFICATION BODY SIGNATORY</b>	BRE Global Ltd.	<b>SIGNATURE</b>	 568j/01
<b>EMAIL / TEL</b>	<a href="mailto:BRGlobalEnquiries@bregroup.com">BRGlobalEnquiries@bregroup.com</a> +44 (0)333 321 88 11	<b>CERTIFICATION BODY OFFICIAL SEAL</b>	<p>BRE GLOBAL LTD BUCKNALLS LANE WATFORD WD25 9XX U.K.</p>
<b>NOTES:</b> I Undertake that all data and information provided are genuine and accurate			

**ATTACHMENTS:**

- **COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)**