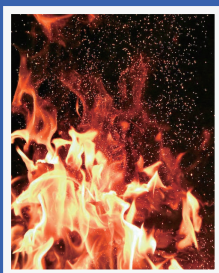


Competitive Products



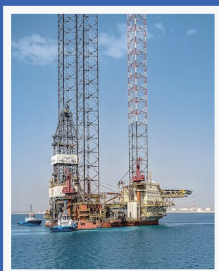
Caledonian is a professional manufacturer of kinds of special cables .



Fire Resistant Cables

Fire alarm systems
Fire detection systems
Emergency lighting

IEC60331, BS6387 CWZ, BS8491, EN50200, BS8434 etc.



Offshore Cables

shipboard wiring, offshore platforms, and other at-sea installations for oil drilling and production

IEC60092, NEK606, BS6883, BS7917, etc.



Instrumentation Cables

diverse applications within industrial process manufacturing plants for control, communication, data (analog/digital) and voice transmission signals in industries

EN50288-7, BS5308, PAS5308, NF M 87-202, etc.

Rolling Stock Cables

Underground, mass transit lines and tramlines as well as diesel
and regional trains

EN50264, EN50306, EN50382, EN45545-2, DIN 5510-2, BS 6853,
NF F 16-101, etc.



CPR Cables

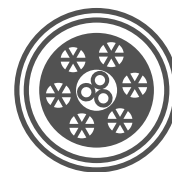
EN 50575, EN ISO 1716, EN 60332-1-2, EN 50399, EN 61034-2,
EN 60754-2.



Composite & Customized Cables



Fire Resistant Cables



Application

Fire alarm systems
Fire detection systems
Emergency lighting

Standards

BS 6387 CWZ BS 8491
EN 50200 IEC 60331
BS8434 etc.

Certificate or Test Report

ZERTIFIKAT

CERTIFICATE

Сертификат

CERTIFICADO

CERTIFICAT



CERTIFICATE
No. B 098200 0036 Rev. 01

Holder of Certificate: Caledonian Cables Limited
1/F., CMA Building, 64-66 Connaught Road Central,
Central and Western District
HONG KONG

Certification Mark:


Product:
Fire Resistant Cables
(Fire Resistant Instrumentation, Control & Thermocouple Cables)

The product was tested on a voluntary basis and complies with the essential requirements.
The certification mark shown above can be affixed on the product. It is not permitted to alter the
certification mark in any way. In addition, the certification holder must not transfer the certificate
to third parties. This certificate is valid until the listed date, unless it is cancelled earlier.
All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to
be complied. For details see: www.tuvsud.com/pa-cert

Test report no.: 64105103010002

Valid until: 2028-02-23

Date, 2021-02-24

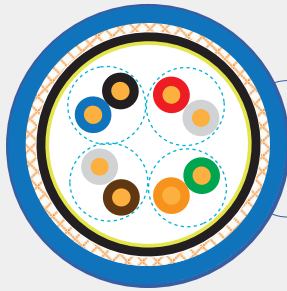
(Silvia Zou)

Page 1 of 3
TUV SUD Product Service GmbH • Certification Body • Riderstraße 65 • 80339 Munich • Germany

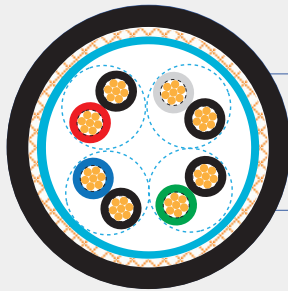




Cable Type



Fire resistant cat5e Cables

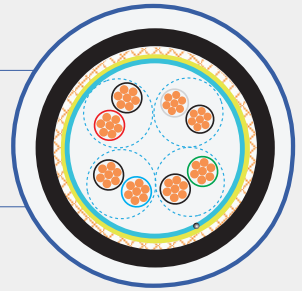


Fire resistant instrumentation Cables

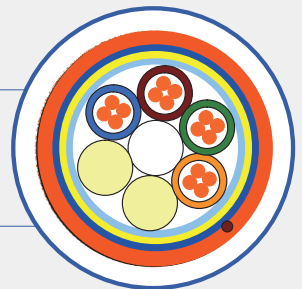
Fire resistant cat6/cat6A Cables



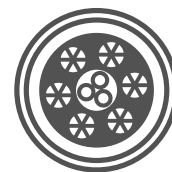
Fire resistant RS485 Cables



Fire resistant fiber optic cables



EN 50288-7 Instrumentation Cables



Application

Diverse applications within industrial process manufacturing plants for control, communication, data (analog/digital) and voice transmission signals in industries.

Standards

EN 50288-7, IEC 60332-3-22,
IEC 60332-3-24; IEC 60332-1-2,
IEC 60754-1/2;
EN 50267-2-1/2, IEC 61034-2, etc

Properties Option

Anti-rodent and anti-termite
Hydrocarbon resistant
Fire resistant
Flame retardant

Certificate or Test Report

CERTIFICATE
No. B 098200 0048 Rev. 00

Holder of Certificate: **Caledonian Cables Limited**
1/F, CMA Building, 64-66 Connaught Road Central,
Central and Western District
HONG KONG

Certification Mark:

Product: **Flame retardant cables
(Instrumentation, Control & Thermocouple
Cables)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. The certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TUV SUD Group have to be complied. For details see: www.tuv.sud.com/en

Test report no.: 6410522317601
Valid until: 2027-12-24

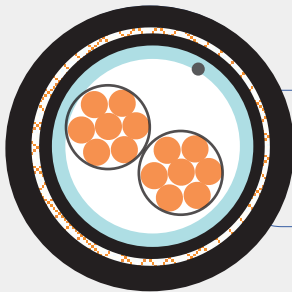
Date: 2022-12-27

(Silvia Zou)

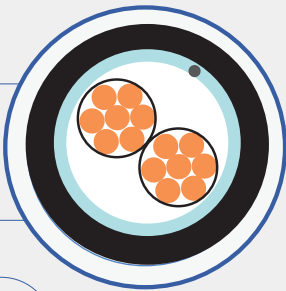
Page 1 of 2
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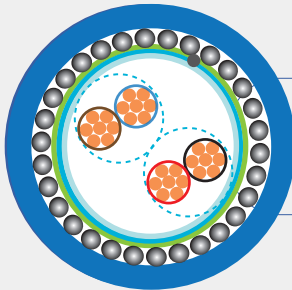
Cable Type



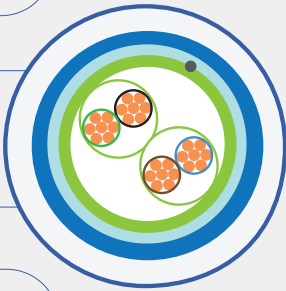
Multi-core overall screen



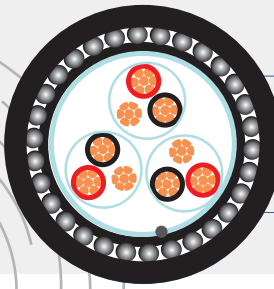
Multi-core overall screen with armor



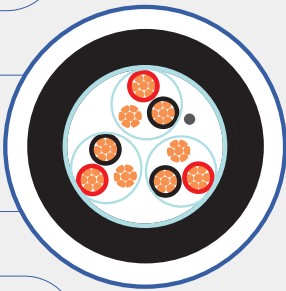
Multi-pair individual and overall screen



Multi-pair individual and overall screen with armor



Multi-triple individual and overall screen



Multi- triple individual and overall screen with armor

www.caledonian-cables.com



Certificate or Test Report

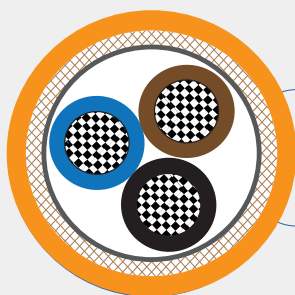
- Fire resistant
- Oil and mud resistant
- Moisture resistant

Diagram illustrating a cable cross-section. The cable is divided into four quadrants. Each quadrant contains a central core (represented by a large circle) and is surrounded by a ring of smaller circles (representing fibers or segments). The entire structure is enclosed within a larger circular boundary.

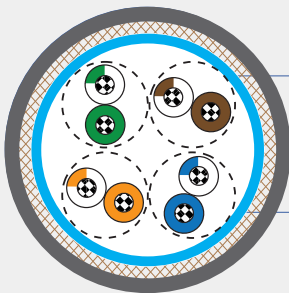


BUREAU
VERITAS

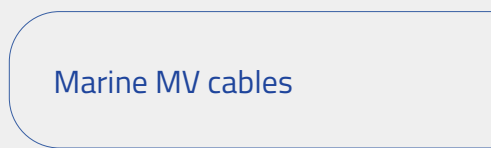
Cable Type



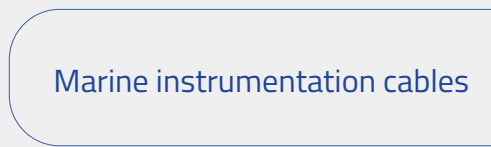
Marine power & control cables



Marine Lan Data & communication cables



Marine MV cables



Marine instrumentation cables



Marine fire resistant cables



Fixed into the fabric of the building
in Europe

EN 50575, EN ISO 1716, EN 60332-1-2,
EN 50399, EN 61034-2, EN 60754-2.

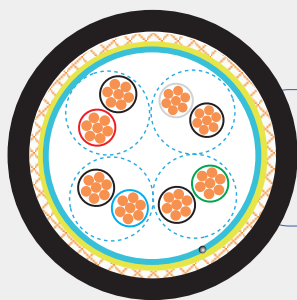
1+, 3, 4

B1ca, B2ca, Cca, Dca, Eca, Fca

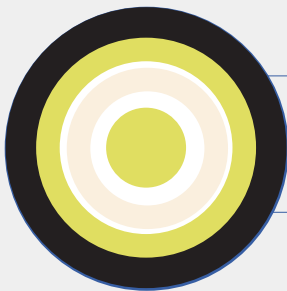




Cable Type

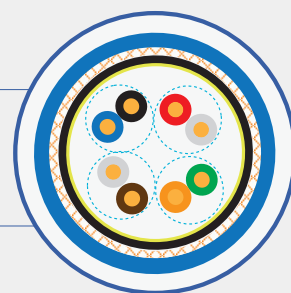


RS485 cables

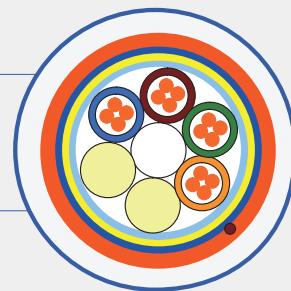


Coaxial cables

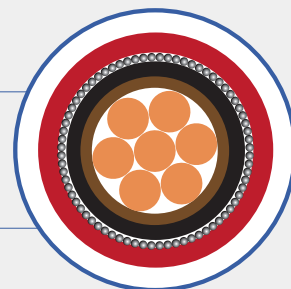
Cat6A/Cat6/Cat5E cables



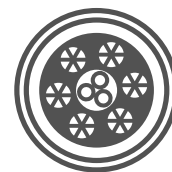
Fiber optic cables



Other cables as requests



Rolling Stock Cables



Application

Underground, mass transit lines
Tramlines
Regional trains

Properties Option

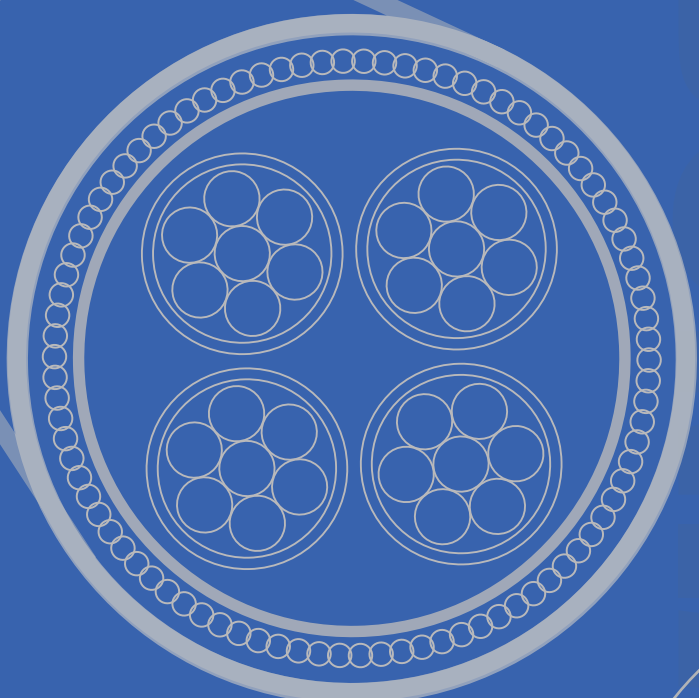
Fire resistant
Flame retardant
Standard wall/medium wall/thin wall
High temperature

Standards

EN 50264, EN 50306, EN 50382, EN 45545-2, DIN 5510-2, BS 6853, NF F 16-101, ect.

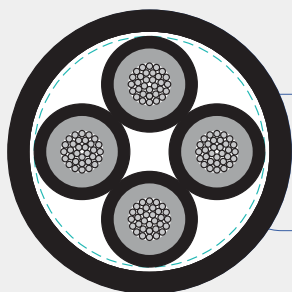
Certificate or Test Report

Report No.	TC.20.05.001722									
Date of Issue	05/22/2020									
Applicant: Caledonian Cables Limited										
Applicant address: 11F, CMA Building, 64-66 Connaught Road Central										
Description of the test subject:										
Sample	Description	Photo								
001	Name :500/1000 FRL-MW-15U-PH15/30 1C*1mm2 Style No.:FRL-MW-15U-PH15/30 Manufacturer: Caledonian Cables Limited									
Receipt Date of Sample: 05/11/2020										
Date of Testing: From 05/11/2020 to 05/22/2020										
Sample submitted: The sample(s) was (were) submitted by applicant and identified.										
Conclusion:										
<table><thead><tr><th>No.</th><th>Items</th><th>Standard</th><th>Result</th></tr></thead><tbody><tr><td>1</td><td>Fire Resistance Test</td><td>Ref. EN 50200-2015</td><td>Pass</td></tr></tbody></table>			No.	Items	Standard	Result	1	Fire Resistance Test	Ref. EN 50200-2015	Pass
No.	Items	Standard	Result							
1	Fire Resistance Test	Ref. EN 50200-2015	Pass							
Note: (1) Samples tested; (2) Conditions as mentioned in contract; (3) The results relate only to the items tested; (4) The test report shall not be reproduced except in full without the prior approval of the company; (5) Samples are tested as received.										
 Orangeburg, NY Co. Ltd.	Phone: +86 (0) 21 6133 9872 Fax: +86 (0) 21 6133 9873 Email: hq@tvsud.com.cn www.tvsud.com	No. 144, Wuyi Road, Lucheng Street, Wujin District, Changzhou City, Jiangsu Province, 213019, P.R. China TUV SUD								

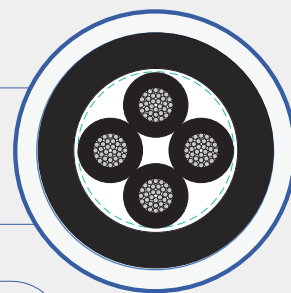




Cable Type

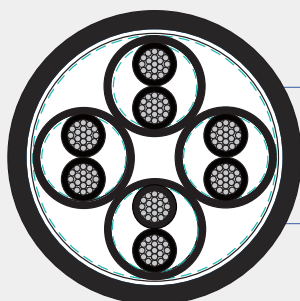
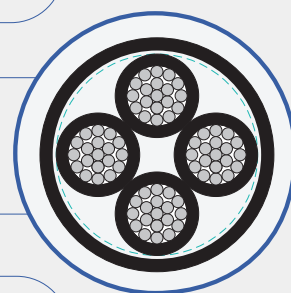


Standard wall single core/multicore
unscreened/screened cables



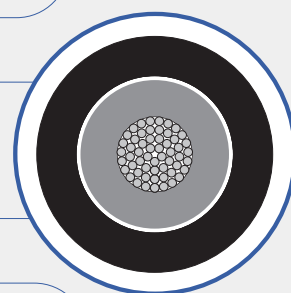
Medium wall single core/multicore unscreened/
screened cables

Thin wall single core/multicore
unscreened/screened cables

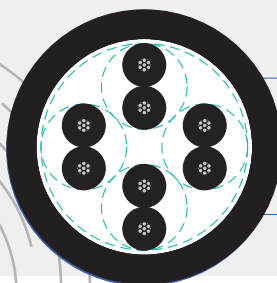


Thin wall multipair screened cables

High temperature single core cables



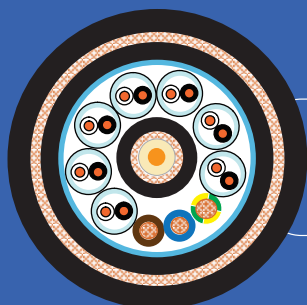
Rolling stock databus cable



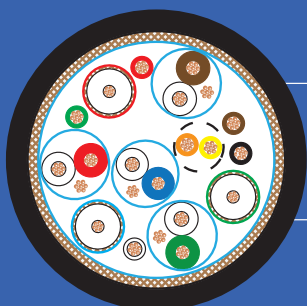
Composite & Customized Cables



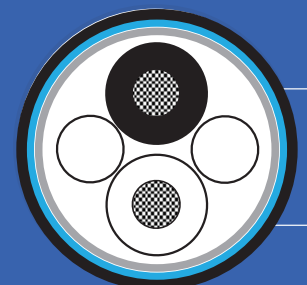
Cable Type



Power cores + signal cores

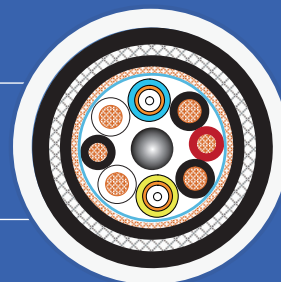


DVI composite cables

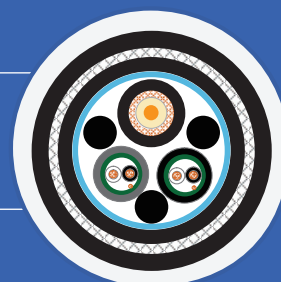


WTB composite cables

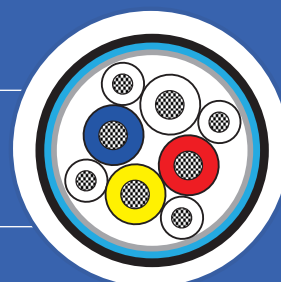
Power cores + fiber optic cores



Signal cores + signal cores



MVB composite cables



Other Approvals

