



JABATAN KERJA RAYA MALAYSIA
CAWANGAN KEJURUTERAAN ELEKTRIK
UNIT PENSIJILAN BAHAN & STANDARD

TECHNICAL INFORMATION

FIRE RESISTANT CABLES

A. COMPANY INFORMATION						
COMPANY NAME :						
ADDRESS :					TELEPHONE NO :	
					FAX NO :	
					COMPANY EMAIL :	
ISO CERTIFIED COMPANY			REGISTRATION NO:		SCOPE:	
1. ISO 9001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....
2. ISO 14001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....
3. ISO 50001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....
4. ISO	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....

B. PRODUCT INFORMATION	
BRAND NAME :	
TYPE OF CABLE :	
i)	.....
ii)	.....
STANDARD NO.: (MS IEC/IEC/etc.)	
CERTIFICATE OF APPROVAL : (SURUHANJAYA TENAGA, if any)	DATE OF ISSUE:
	VALID UNTIL:
PRODUCT CERTIFICATION : LICENSE (SIRIM/OTHER)	DATE OF ISSUE:
	VALID UNTIL:
TEST REPORT NO.:	TESTING LABORATORY:
	DATE OF ISSUE:
COUNTRY OF MANUFACTURE:	
NAME OF MANUFACTURER:	
FACTORY ADDRESS :	

Please Tick: Yes No - Office use

C. SPECIFICATION AND STANDARDS COMPLIANCE

- | | | | |
|--|------------------------------|-----------------------------|--------------------------|
| 1. The conductor shall be of multi stranded high conductivity copper conductors | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| 2. Wrapped with layers of glass mica composite tape flame barrier | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| 3. Insulated with non-melt cross link mineral insulation and mineral sheathed | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| 4. Comply to IEC 60502 | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| | Test Report No : | | |
| 5. Comply to IEC 60331(Test for electric cables under fire conditions). | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| | Test Report No : | | |
| 6. Comply to BS 6387 CAT. C, W & Z (performance requirements for cables required to maintain circuit integrity under fire conditions) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| | Test Report No : | | |
| 7. Comply to IEC 60332-1 (Tests on electric cables under fire conditions - Part 1: Test on a single vertical insulated wire or cable) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| | Test Report No : | | |
| 8. Comply to IEC 60332-3 (Tests on electric cables under fire conditions - Part 3: Test on bunched electric cable under fire conditions) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| | Test Report No : | | |
| 9. Comply to IEC 61034-2 (Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements) | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| | Test Report No : | | |
| 10. Comply to IEC 60754-2 (Test on gases evolved during combustion of electric cables - Part 2: Determination of degree of acidity of gases evolved during the combustion of materials taken from electric cables by measuring pH and conductivity). | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| | Test Report No : | | |
| 11. Able to withstand a short circuit temperature of 280° C for 5 seconds. | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| 12. For general lighting & power final circuit, insulation grade should be of 600 Volt | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| 13. For main circuits and major points, insulation grade should be 1000 Volt | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| 14. Limiting Oxygen Index (LOI) >28% | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |
| 15. Conductor operating temperature up to 110°C | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> |

16. Marking on the external surface with the following elements:
- i. Manufacturer's identification Yd
 - ii. Voltage designation Yd
 - iii. Nominal area of conductor Yd
 - iv. Standard Numbers (BS 6387, IEC 60331, IEC 60332-1, IEC60332-3, IEC 60754-2, IEC61034 & IEC 60502-1) Yd
 - v. Model. Yd
17. Technical data information (to attach technical catalogue):
- i. Current carrying capacity Yd
 - ii. Voltage drop per ampere per meter Yd
 - iii. Method of installation Yd
 - iv. Table of construction Yd

OTHERS (please specify)

D. Please list any other data that need to be considered or highlighted :

1.
2.
3.
4.

E. LIST OF MATERIALS

No.	Name of part	Manufacturer		Type of Material	Approval Lab	Mill Cert No.
1.	Copper conductor					
2.	Glass mica composite tape					
3.	Insulation (temperature up to 110°C)					
4.	Oversheath					

6.						
7.						
8.						

F.

LIST OF MODEL

No.	Model	Description	Rated Voltage (V)	Size (sq.mm)	No. of core

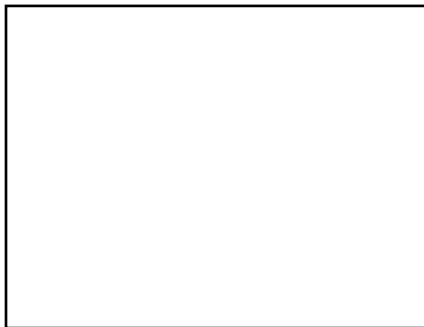
TECHNICAL INFORMATION

FIRE RESISTANT CABLES

G. PENGESAHAN

Adalah saya dengan ini mengesahkan segala keterangan yang diberikan/dikemukakan bagi produk di atas adalah benar. Jika saya didapati membuat pengakuan **PALSU**, maka tindakan seterusnya boleh diambil oleh pihak JKR ke atas diri dan syarikat diwakili oleh saya.

Cop Syarikat :



Tandatangan :

Nama :

Jawatan :

Tarikh :

I. ULASAN (Untuk Kegunaan Pejabat)

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