ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L746211 – WIRING CABLES

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6.0	17-Dec-2014	Kemi Olawale	[redacted]	[redacted]	Labelling Section Amended New Attribute Added
7.0	21-Aug-2015	[redacted]	[redacted]	[redacted]	Attribute amendment
8.0	27-Aug-2015	[redacted]	[redacted]	[redacted]	Labelling Section Updated

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1 Introduction

1.1 Asset Details

Class Code: L746211

Class Name: WIRING CABLES

Class Lineage: Construction Products>Services>Electric power and lighting services products>Distribution devices>Conductors>LV cables>Wiring cables

1.2 Description

Electrical wiring, commonly known as building wiring, generally refers to insulated conductors used to carry electricity.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

2 Asset Tag Identification Rules

Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

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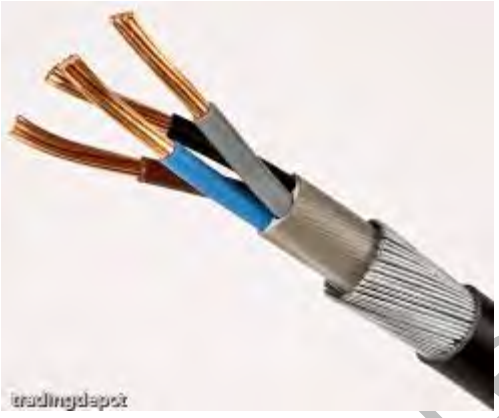
2.1 Example Images



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3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
BS7671 installation type		PD		Direct Buried Laid within buried ducts Laid within concrete cable trough Laid on tray or ladder rack In troughing Conduit	Detail method of installation
Conductor protection		PD		Steel Wire Armour Single Insulated Double Insulated	Provide details of cable make up
Fire Survivability (Minutes)	Minutes	PD	0	120 60 30 0	Provide detail of cable fire survivability in minutes
Length (Metres)	Metres	NU	2		Circuit length
Number of Cores (#)	#	NU	0		How many cores does the cable have
Diameter (Millimetres)	Millimetres	NU	0		Cross sectional diameter of the cable

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Attribute Name	**Base Unit or Formula**	**Value Type** (See Below)	**Decimal Places** (nu Only)	**Defined Values List** (pd only)	**Description**
Sheath Type		PD		CWZ Non-metallic L.S.O.H. MDPE	Special versions of non-metallic sheathed cables are designed for direct underground burial (often with separate mechanical protection) or exterior use where exposure to ultraviolet radiation (UV) is a possibility.
Voltage (Volts)	Volts	NU	0		System voltage and cable rating
Rating (Amps)	Amps	NU	0		Maximum rating of the wiring

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

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4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- JY82
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	19-Sep-2014

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