

List of Malaysian Standard (MS) for Cables

Prepared by MCMA SWO

NO.	PUBLICATIONS	DESCRIPTION / TITLE
1.	MS 2100 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Single Core PVC Insulated Cable - Non-Armoured
2.	MS 2101 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Single Core PVC Insulated Cable - Armoured
3.	MS 2102 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Multi Core PVC Insulated Cable - Non-Armoured
4.	MS 2103 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Multi Core PVC Insulated Cable - Armoured
5.	MS 2104 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Single Core XLPE Insulated Cable - Non-Armoured
6.	MS 2105 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Single Core XLPE Insulated Cable - Armoured
7.	MS 2106 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Multi Core XLPE Insulated Cable - Non-Armoured.
8.	MS 2107 : 2007	Electric Cable and Wire : 600/1 000 (U _m =1 200) V Multi Core XLPE Insulated Cable - Armoured
9.	MS 2108 : 2007	Electric Cable and Wire : 6.35/11 (12) kV Single Core XLPE Insulated Cable - Non-Armoured
10.	MS 2109 : 2007	Electric Cable and Wire : 6.35/11 (12) kV Single Core XLPE Insulated Cable - Armoured
11.	MS 2110 : 2007	Electric Cable and Wire : 19/33 (36) kV Single Core XLPE Insulated Cable - Non-Armoured
12.	MS 2111 : 2007	Electric Cable and Wire : 19/33 (36) kV Single Core XLPE Insulated Cable- Armoured

NO.	PUBLICATIONS	DESCRIPTION / TITLE
13.	MS 2112-1 : 2009	Electric Cable and Wire - Polyvinyl Chloride (PVC) Insulated Cables of Rated Voltages Up To and Including 450/750 V - Part 1: General Requirements
14.	MS 2112-2 : 2009	Electric Cable and Wire - Polyvinyl Chloride (PVC) Insulated Cables of Rated Voltages Up To and Including 450/750 V - Part 2: Test Methods
15.	MS 2112-3 : 2009	Electric Cable and Wire - Polyvinyl Chloride (PVC) Insulated Cables of Rated Voltages Up To and Including 450/750 V - Part 3: Non-Sheathed Cables For Fixed Wiring
16.	MS 2112-4 : 2009	Electric Cable and Wire - Polyvinyl Chloride (PVC) Insulated Cables of Rated Voltages Up To and Including 450/750 V - Part 4: Sheathed Cables For Fixed Wiring
17.	MS 2112-5 : 2009	Electric Cable and Wire - Polyvinyl Chloride (PVC) Insulated Cables of Rated Voltages Up To and Including 450/750 V - Part 5: Flexible Cables
18.	MS 2112-6 : 2009	Electric Cable and Wire - Polyvinyl Chloride (PVC) Insulated Cables of Rated Voltages Up To and Including 450/750 V - Part 6: Cables For Lift and Flexible Connections
19.	MS 2113 : 2011	Electric Cable : 12.7/22 (24) kV Single Core XLPE Insulated Cable - Non-Armoured
20.	MS 2114 : 2011	Electric Cable : 12.7/22 (24) kV Single Core XLPE Insulated Cable - Armoured.
21.	MS 2115 : 2011	Electric Cable : 6.35/11 (12) kV Three Core XLPE Insulated Cable - Non-Armoured
22.	MS 2116 : 2011	Electric Cable : 6.35/11 (12) kV Three Core XLPE Insulated Cable - Armoured
23.	MS 2117 : 2011	Electric Cable : 12/7/22 (24) kV Three Core XLPE Insulated Cable - Non-Armoured
24.	MS 2118 : 2011	Electric Cable : 12.7/22 (24) kV Three Core XLPE Insulated Cable - Armoured
25.	MS 2119 : 2011	Electric Cable : 19/33 (36) kV Three Core XLPE Insulated Cable - Non-Armoured

NO.	PUBLICATIONS	DESCRIPTION / TITLE
26.	MS 2120 : 2011	Electric Cable: 19/33 (36) kV Three Core XLPE Insulated Cable - Armoured
27.	MS 2121 : 2012	Telecommunication Cable: Plastic Twin Pair, Triple and Unit Types, Internal Cable
28.	MS 2122 : 2012	Telecommunication Cable: Jumper Wire
29.	MS 2123 : 2012	Telecommunication Cable: Self Supporting Drop Wire
30.	MS 2124 : 2012	Telecommunication Cable: Fully filled, Unit Twin Moisture Barrier Polyethylene Sheathed Cable (FF PEUT)
31.	MS 2125 : 2012	Telecommunication Cable: Integral Bearer - Moisture Barrier Polyethylene sheathed cable (IB PEUT)
32.	MS 2126 : 2012	Telecommunication cable: Polyethylene Insulated 25 Pair Unit Twin Moisture Barrier Polyethylene Sheathed Cable (FS PEUT)
33.	MS IEC 60183 : 2003	Guide To The Selection Of High-Voltage Cables (IEC 60183:1984 And Its Amendment 1:1990, IDT)
34.	MS IEC 60228 : 2001	Conductors Of Insulated Cables (IEC 60228 : 1978, First Supplement 228A : 1982 And Amendment 1 : 1993, IDT)
35.	MS IEC 60229 : 2001	Tests On Cable Oversheaths Which Have A Special Protective Function And Are Applied By Extrusion
36.	MS IEC 60287-1-2 : 2001	Electric Cables - Calculation Of The Current Rating - Part 1 : Current Rating Equations (100% Load Factor) And Calculation Of Losses - Section 2 : Sheath Eddy Current Loss Factors For Two Circuits In Flat Formation (IEC 60287-1-2 : 1993, IDT).
37.	MS IEC 60287-2-1 : 2001	Electric Cables - Calculation Of The Current Rating - Part 2 : Thermal Resistance - Section 1: Calculation Of Thermal Resistance (IEC 60287-2-1:1994, IDT)
38.	MS IEC 60287-2-2 : 2001	Electric Cables - Calculation Of The Current Rating - Part 2 : Thermal Resistance - Section 2 : A Method For Calculating Reduction Factors For Groups Of Cables Of Cables In Free Air, Protected From Solar Radiation

NO.	PUBLICATIONS	DESCRIPTION / TITLE
39.	MS IEC 60287-3-2 : 2003	Electric Cables - Calculation Of The Current Rating - Part 3 : Sections On Operating Conditions - Section 2 : Economic Optimization Of Power Cable Size
40.	MS IEC 60331-11 : 2001	Tests For Electric Cables Under Fire Conditions - Circuit Integrity - Part 11 : Apparatus - Fire Alone At A Flame Temperature Of At Least 750°C (IEC 60331-11 : 1999, IDT)
41.	MS IEC 60331-21 : 2001	Tests For Electric Cables Under Fire Conditions - Circuit Integrity -Part 21 : Procedures And Requirements - Cables Of Rated Voltage Up And Including 0.6/1.0 kV (IEC 60331-21 : 1999, IDT)
42.	MS IEC 60331-23 : 2001	Test On Electric Cables Under Fire Conditions - Circuit Integrity - Part 23 : Procedures And Requirements - Electric Data Cables (IEC 60331-23:1999, IDT)
43.	MS IEC 60331-25 : 2001	Test For Electric Cables Under Fire Conditions - Circuit Integrity - Part 25 : Procedures And Requirements - Optical Fibre Cables (IEC 60331-25 : 1999, IDT)
44.	MS IEC 60332-1 : 2001	Tests On Electric Cables Under Fire Conditions Part 1 : Test On A Single Vertical Insulated Wire Or Cable (IEC 60332-1 : 1993, IDT)
45.	MS IEC 60332-2 : 2001	Tests On Electric Cables Under Fire Conditions - Part 2 : Test On A Single Small Vertical Insulated Copper Wire Or Cables (IEC 60332-2 : 1989, IDT)
46.	MS IEC 60502-1 : 1998	Power Cables With Extruded Insulation And Their Accessories For Rated Voltages From 1 kV ($U_m = 1.2kV$) Up To 30kV ($U_m = 36kV$) - Part 1: Cables For Rated Voltages Of 1 kV ($U_m = 1.2 kV$) And 30 kV ($U_m = 3.6 kV$) (IEC IEC 60502-1:1998, IDT)
47.	MS IEC 60502-2 : 1998	Power Cables With Extruded Insulation And Their Accessories For Rated Voltages From 1 kV ($U_m = 1.2 kV$) Up To 30kV ($U_m = 36 kV$) - Part 2 : Cables For Rated Voltages From 6kV ($U_m = 7.2kV$) Up To 30kV ($U_m = 36 kV$) (IEC 60502-2:1998, IDT)

NO.	PUBLICATIONS	DESCRIPTION / TITLE
48.	MS IEC 60811-1-1 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 1 : Methods For General Application - Section 1 : Measurement Of Thickness And Overall Dimensions - Tests For Determining The Mechanical Properties (IEC 811-1-1:1993, IDT)
49.	MS IEC 60811-1-2 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 1 : Methods For General Application - Section Two : Thermal Ageing Methods (IEC811-1-2:1985, IDT)
50.	MS IEC 60811-1-3 : 1997	Insulating And Sheathing Materials Of Electric Cables - Common Test Methods - Part 1 : General Application - Section 3 : Methods For Determining The Density - Water Absorption Tests - Shrinkage Test (IEC 811-1-3:1993, IDT)
51.	MS IEC 60811-1-4 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 1 : Methods For General Application - Section Four : Tests At Low Temperature (IEC 811-1-4:1985, IDT)
52.	MS IEC 60811-2-1 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 2 : Methods Specific To Elastomeric Compounds. Section One : Ozone Resistance Test - Hot Set Test - Mineral Oil Immersion Test (IEC 811-2-1:1986, IDT)
53.	MS IEC 60811-3-1 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 3 : Methods Specific To PVC Compounds. Section One : Pressure Test At High Temperature - Tests For Resistance To Cracking (IEC 811-3-1 : 1985, IDT)
54.	MS IEC 60811-3-2 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 3 : Methods Specific To PVC Compounds. Section Two : Loss Of Mass Test - Thermal Stability Test (IEC 811-3-2:1985, IDT)

NO.	PUBLICATIONS	DESCRIPTION / TITLE
55.	MS IEC 60811-4-1 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 4 : Methods Specific To Polyethylene And Polypropylene Compounds. Section One : Resistance To Environmental Stress Cracking - Wrapping Test After Thermal Ageing In Air - Measurement Of The Melt Flow Index - Carbon Black And/Or Mineral Content Measurement In PE (IEC 811-4-1:1985, IDT)
56.	MS IEC 60811-4-2 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 4 : Methods Specific To Polyethylene And Polypropylene Compounds. Section Two : Elongation At Break After Pre-Conditioning - Wrapping Test After Thermal Ageing In Air - Measurement Of Mass Increase - Long - Term Stability Test (Appendix A) - Test Method For Copper - Catalysed Oxidative Degradation (Appendix B) (IEC 811-4-2:1990, IDT)
57.	MS IEC 60811-5-1 : 1997	Common Test Methods For Insulating And Sheathing Materials Of Electric Cables. Part 5 : Methods Specific To Filling Compounds. Section One : Drop-Point - Separation Of Oil - Lower Temperature Brittleness - Total Acid Number - Absence Of Corrosive Components - Permittivity At 23°C - D.C. Resistivity At 23°C And 100°C (IEC 811-5-1:1990, IDT)
58.	MS IEC 60885-1 : 2003	Electrical Test Methods For Electric Cables - Part 1: Electrical Test For Cables, Cord And Wires For Voltages Up To And Including 450/750 V (IEC 60885-1:1987, IDT)
59.	MS IEC 60885-2 : 2003	Electrical Test Methods For Electric Cables - Part 2: Partial Discharge Tests (IEC 60885-2:1987, IDT)

NO.	PUBLICATIONS	DESCRIPTION / TITLE
60.	MS IEC 60885-3 : 2003	Electrical Test Methods For Electric Cables - Part 3: Test Methods For Partial Discharge Measurements On Lengths Of Extruded Power Cables (IEC 60885-3:1988, IDT)