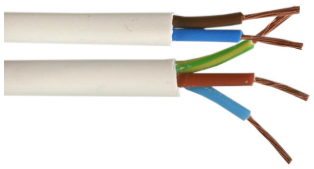
218-Y/H03VV-F BS EN 50525-2-11
Flexible Cable

pro-POWER



RoHS Compliant

Application:

Light duty cable for use in domestic premises, kitchens and offices. For use with light portable appliances such as radios, table lamps and office equipment.

Cable Standards:

BS EN 50525-2-11 (previously BS 6500, CENELEC HD21.5), VDE 281, BS EN/IEC 60332-1-2

Construction:

Conductor	: Class 5 flexible copper conductor according to BS EN 60228 (previously BS 6360)
Insulation	: PVC (Polyvinyl Chloride) Type TI2 according to BS EN 50363
Sheath	: PVC (Polyvinyl Chloride) Type TM2 according to BS EN 50363

Characteristics:

Voltage Rating (Uo/U)	: 300/300V
Temperature Rating	: Flexed: -5°C to +70°C
Min. Bending Radius	: Flexed: 6 × overall diameter
Core Identification	: 2 core: Blue & Brown 3 core: Blue, Brown & Green/Yellow
Sheath Colour	: White

Electrical Characteristics

Current Carrying Capacity and Mass Supportable

Nominal Cross Sectional Area mm^2	Current Carrying Capacity		Max. Mass Supportable by Twin Flexible Cord kg
	Single-Phase AC Amps	Three-Phase AC Amps	
0.5	3	3	2
0.75	6	6	3

The above table is in accordance with Table 4F3B of the 17th Edition of IEE Wiring Regulations.

Voltage Drop

Nominal Cross Sectional Area mm^2	DC or Single-Phase AC mV/A/m	Three-Phase AC mV/A/m
0.5	93	80
0.75	62	54

Conductor operating temperature: 60°C
The above table is in accordance with Table 4F3B of the 17th Edition of IEE Wiring Regulations.

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Conductors:

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm^2	Max. Diameter of Wires in Conductor	Max. Resistance of Conductor at 20ºC
	mm	Plain Wires Ω/km
0.5	0.21	39
0.75	0.21	26

The above table is in accordance with BS EN 60228 (previously BS 6360)

De-Rating Factors:

60°C Thermoplastic or Thermosetting Insulated Cords

Air Temperature	35°C	40°C	45°C	50°C	55°C
De-Rating Factor	0.91	0.82	0.71	0.58	0.41

Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm^2	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP-2182Y-0.75MMWHT	2	0.75	0.5	0.6	5.5	46
PP-2183Y-0.50MMWHT	3	0.5	0.5	0.6	5.3	44
PP-2183Y-0.75MMWHT	3	0.75	0.5	0.6	5.8	55

Part Number Table

Description	Colour	Reel Length (m)	Part Number
218-Y / H03VV-F BS EN 50525-2-11 Flexible Cable	White	100	PP-2182Y-0.75MMWHT
			PP-2183Y-0.50MMWHT
			PP-2183Y-0.75MMWHT