

2192Y/H03VVH2-F BS EN 50525-2-11 Flexible Cable



Application:

Light duty cable for use in domestic premises, kitchens and offices. For use as pendant light drops and light supply leads.

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

Cable Standards:

BS EN 50525-2-11 (previously BS 6500),
BS EN/IEC 60332-1-2



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

Characteristics:

Voltage Rating (U_o/U)

300/300V

Temperature Rating

Flexed: +5°C to +70°C

Minimum Bending Radius

Fixed: 8 x overall diameter

Core Identification

● Brown ● Blue

Sheath Colour

○ White ● Black

2192Y/H03VVH2-F BS EN 50525-2-11

Flexible Cable

Dimensions:

Order code	Part No.	Colour	Nominal cross sectional area mm	Nominal thickness of insulation mm	Nominal thickness of sheath mm	Nominal overall diameter HxW mm	Nominal weight kg/km
02-0300	UMF020050BKFLAT	Black	0.5	0.5	0.6	3.35 x 5	30
02-0301	UMF020050WHFLAT	White	0.5	0.5	0.6	3.35 x 5	30
02-0302	UMF020075BKFLAT	Black	0.75	0.5	0.6	3.5 x 5.5	37
02-0303	UMF020075WHFLAT	White	0.75	0.5	0.6	3.5 x 5.5	37

Colour codes:

Colour	White	Black
Code	WH	BK

Conductors:

Nominal cross sectional area mm ²	Maximum diameter of wires in conductor mm	Maximum resistance of conductor at 20°C	
		Plain wires ohms/km	Metal-Coated wires ohms/km
0.5	0.21	39	40.1
0.75	0.21	26	26.7

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

Electrical characteristics:

Nominal cross sectional area mm ²	Current carrying capacity		Maximum mass supportable by twin flexible cord (See Regulations 522.7.2 and 559.6.1.5 of the 17th Edition of IEE Wiring Regulations) kg
	Single-Phase AC Amps	Three-Phase AC Amps	
0.5	3	3	2
0.75	6	6	3

Conductor operating temperature: 60°C

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

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