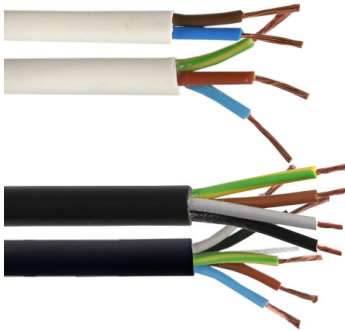


318-Y/H05VV-F BS EN 50525-2-11 Flexible Cables

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RoHS
Compliant



Application:

Ordinary duty PVC cable for use in domestic appliances, kitchens and offices. For use with light portable appliances such as radios, table lamps and office equipment. Generally unsuitable for outdoor use or industrial applications.

Cable Standards:

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

Construction:

Conductor : Class 5 flexible stranded copper conductor according to BS EN 60228 (previously BS 6360)
Insulation : PVC (Polyvinyl Chloride) Type T12 according to BS EN 50363
Sheath : PVC (Polyvinyl Chloride) Type TM2 according to BS EN 50363

Characteristics:

Voltage Rating (Uo/U) : 300/500V
Temperature Rating : Flexed: +60°C to +70°C
Min. Bending Radius : Flexed: 8 × overall diameter
Core Identification : 2 core: Blue & Brown
3 core: Blue, Brown & Green/Yellow
4 core: Brown, Black, Grey & Green/Yellow
5 core: Brown, Black, Grey, Blue & Green/Yellow
Sheath Colour : White & Black

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	
0.75	6	6	3
1	10	10	5
1.5	16	16	5
2.5	25	20	5

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

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Voltage Drop

Nominal Cross Sectional Area mm ²	DC or Single-Phase AC mV/A/m	Three-Phase AC mV/A/m
0.75	62	54
1	46	40
1.5	32	27
2.5	19	16

Conductor operating temperature: 60°C

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

Conductors:

Class 5 Flexible Stranded Copper Conductors for Multi-Core Cables.

Nominal Cross Sectional Area mm ²	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C Plain Wires Ω/km
0.75	0.21	26
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98

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

De-Rating Factors:

De-Rating Factor for Ambient Temperature 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

The above table is in accordance with Table 4F3A of the 17th Edition of IEE Wiring Regulations.

Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm ²	Max. No. of Strands × Strand Size	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP-3182Y-0.75MMWHT	2	0.75	24 × 0.19mm	0.6	6.3	57
PP-3182Y-1MMWHT	2	1	32 × 0.19mm	0.6	6.6	65
PP-3182Y-1.50MMWHT	2	1.5	30 × 0.24mm	0.7	7.4	84
PP-3182Y-2.50MMWHT	2	2.5	50 × 0.24mm	0.8	9.1	130
PP-3183Y-1MMWHT	3	1	32 × 0.19mm	0.6	7	78
PP-3183Y-1.50MMWHT	3	1.5	30 × 0.24mm	0.7	8.1	108

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318-Y/H05VV-F BS EN 50525-2-11 Flexible Cables



Part Number	No. of Cores	Nominal Cross Sectional Area mm ²	Max. No. of Strands × Strand Size	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP-3184Y-2.50MMBLK	4	2.5	50 × 0.24mm	0.8	10.8	201
PP-3185Y-1.50MMBLK	5	1.5	30 × 0.24mm	0.7	10	166
PP-3185Y-2.50MMBLK	5	2.5	50 × 0.24mm	0.8	12.5	265

Part Number Table

Description	Colour	Reel Length (m)	Part Number
318-Y / H05VV-F BS EN 50525-2-11 Flexible Cable	White	100	PP-3182Y-0.75MMWHT
			PP-3182Y-1MMWHT
			PP-3182Y-1.50MMWHT
			PP-3182Y-2.50MMWHT
			PP-3183Y-1MMWHT
			PP-3183Y-1.50MMWHT
	Black		PP-3184Y-2.50MMBLK
			PP-3185Y-1.50MMBLK
			PP-3185Y-2.50MMBLK

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