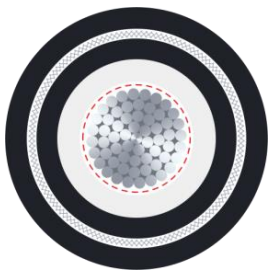


# HYFLEX<sup>®</sup> Single Core Fire Resistant Flexible Power Cable

Class 5 Flexible Conductors • Tinned Copper Braided • Mica Glass Barrier • Gen to IEC 60502-1 & BS 6883 • 600/1000V



## Cable Construction



### Conductor

Flexible Stranded Tinned Annealed Copper  
(IEC 60228 Class 5)

### Flame Barrier

Helically Applied Mica Glass Tape  
(To meet the requirements specified in IEC 60331)

### Insulation

Extruded EPR (Ethylene Propylene Rubber) to BS 7655 Type GP4/GP7

### Bedding

Extruded EPR (Ethylene Propylene Rubber) to BS 7655 Type GP4/GP7

### Braiding

Tinned Annealed Copper Wire Braid Screen  
(≥80% Optical Coverage)

### Sheath

Extruded LSZH (Low Smoke Zero Halogen) to BS 7655 LTS1-4,  
IEC 60092 SHF1, EN 50363 TM7

## Properties & Standards

### Design Standards

Generally to IEC 60502-1 and BS 6883

### Electrical

Voltage Rating 600/1000 V

### Fire Performance

Fire Resistance IEC 60331  
 Flame Retardance IEC 60332-1-2  
 Halogen Gas Content IEC 60754-1  
 Gas Acidity IEC 60754-2

## Nominal Dimensions

Conductor CSA (mm <sup>2</sup> )	Insulation Ø (mm)	Inner Sheath Ø (mm)	Braid Wire Ø (mm)	Outer Sheath Ø (mm)
1.0	3.29	5.29	6.29	9.09
1.5	3.51	5.51	6.51	9.31
2.5	4.01	6.01	7.01	9.81
4	5.00	7.00	8.00	10.80
6	5.54	7.54	8.54	11.34
10	6.70	8.70	9.70	12.50
16	7.87	9.87	10.87	13.67
25	9.55	11.55	12.55	15.35
35	10.81	12.81	13.81	16.61
50	12.94	14.94	15.94	18.74
70	14.81	16.81	17.81	20.81
95	16.36	18.36	19.36	22.36
120	18.71	20.71	21.71	24.71
150	20.96	22.96	22.96	25.96
185	22.62	24.62	25.62	28.62
240	25.40	27.40	28.40	31.40
300	28.74	30.74	31.74	34.74

## Colours & Identification

### Insulation Colour

Natural

### Bedding Colour

Black

### Outer Sheath Colour

Black

Also available in Red and other colours on request.

