



# Heat Resisting Multicore PVC Insulated & Sheathed Flexible Cables

## ▶ APPLICATION

General purpose, heat resisting, indoors or outdoors in dry or damp situations. Portable tools, washing machines, vacuum cleaners, lawn mowers and light domestic applications, especially in higher temperature zones.

## ▶ HARMONISED CODE

H05V2V2-F / H07V2V2-F

## ▶ CONSTRUCTION

**Reference** : BSEN:50525-2-11

**Conductor** : Flexible plain copper class 5 to BS6360/IEC60228/BSEN:60228

**Insulation** : PVC Type TI 3 to BSEN:50363-3

**Lay-up** : Cores are twisted

**Sheath** : PVC Type TM 3 to BSEN:50363-4-1



## ▶ COLOUR CODING

**Cores** : 2-core- Brown, Blue  
3-core- Brown, Blue, Green/Yellow  
4-core- Brown, Black, Grey, Green/Yellow  
5-core- Brown, Black, Grey, Blue, Green/Yellow

**Sheath** : White, Black, Grey  
Other colours available on request

## ▶ PACKAGING

All sizes can be supplied in reels/coils of 100yards/100m or non-returnable wooden drums of 500m and 1000m

## ▶ TECHNICAL DATA

**Max. Operating Temperature** : 90C/105C

**Rated Voltage** : 0.5mm<sup>2</sup> to 4mm<sup>2</sup> – 300/500V  
6.0mm<sup>2</sup> to 25mm<sup>2</sup> – 450/750V

**Standards** : BSEN:50525-2-11 (0.5MM<sup>2</sup> to 4mm<sup>2</sup> & Generally to BSEN:50525-2-11 above 4mm<sup>2</sup>)

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No. of Cores	Conductor				Radial Thickness of Insulation (mm)	Radial Thickness of Sheath (mm)	Max. Overall Diameter (mm)	Approx. Nett Weight (kg/km)	Approx. Current Carrying Capacity (A)	Product Code
	Nominal Cross-Sectional Area (mm <sup>2</sup> )	Number of Strands	Diameter of Strand (mm)	Max. Resistance at 20°C (Ω/km)						
2	0.5	16	0.20	39.00	0.6	0.8	6.8	52	6	FXHR2C0.5
2	0.75	24	0.20	26.00	0.6	0.8	7.2	63	9	FXHR2C0.75
2	1.0	32	0.20	19.50	0.6	0.8	7.5	73	14	FXHR2C1.0
2	1.5	30	0.25	13.30	0.7	0.8	8.6	95	18	FXHR2C1.5
2	2.5	50	0.25	7.98	0.8	1.0	10.6	145	24	FXHR2C2.5
2	4.0	56	0.30	4.95	0.8	1.1	11.8	190	32	FXHR2C4.0
2	6.0	84	0.30	3.30	0.8	1.2	13.1	256	42	FXHR2C6.0
2	10.0	80	0.40	1.91	1.0	1.4	16.1	397	55	FXHR2C10.0
2	16.0	126	0.40	1.21	1.0	1.4	18.5	596	75	FXHR2C16.0
2	25.0	196	0.40	0.78	1.2	1.4	21.6	956	100	FXHR2C25.0
3	0.5	16	0.20	39.00	0.6	0.8	7.2	60	6	FXHR3C0.5
3	0.75	24	0.20	26.00	0.6	0.8	7.5	74	9	FXHR3C0.75
3	1.0	32	0.20	19.50	0.6	0.8	8.0	86	14	FXHR3C1.0
3	1.5	30	0.25	13.30	0.7	0.9	9.4	120	18	FXHR3C1.5
3	2.5	50	0.25	7.98	0.8	1.1	11.4	180	24	FXHR3C2.5
3	4.0	56	0.30	4.95	0.8	1.2	12.6	236	32	FXHR3C4.0
3	6.0	84	0.30	3.30	0.8	1.4	14.2	344	42	FXHR3C6.0
3	10.0	80	0.40	1.91	1.0	1.4	17.1	489	55	FXHR3C10.0
3	16.0	126	0.40	1.21	1.0	1.4	19.5	724	75	FXHR3C16.0
3	25.0	196	0.40	0.78	1.2	1.6	23.5	1154	100	FXHR3C25.0
4	0.5	16	0.20	39.00	0.6	0.8	7.9	72	6	FXHR4C0.5
4	0.75	24	0.20	26.00	0.6	0.8	8.3	83	9	FXHR4C0.75
4	1.0	32	0.20	19.50	0.6	0.9	9.0	101	14	FXHR4C1.0
4	1.5	30	0.25	13.30	0.7	1.0	10.5	141	18	FXHR4C1.5
4	2.5	50	0.25	7.98	0.8	1.1	12.5	214	24	FXHR4C2.5
4	4.0	56	0.30	4.95	0.8	1.4	14.0	286	32	FXHR4C4.0
4	6.0	84	0.30	3.30	0.8	1.4	15.5	411	42	FXHR4C6.0
4	10.0	80	0.40	1.91	1.0	1.4	18.6	637	55	FXHR4C10.0
4	16.0	126	0.40	1.21	1.0	1.4	21.5	988	75	FXHR4C16.0
4	25.0	196	0.40	0.78	1.2	1.6	25.7	1453	100	FXHR4C25.0
5	0.5	16	0.20	39.00	0.6	0.9	8.6	89	6	FXHR5C0.5
5	0.75	24	0.20	26.00	0.6	0.9	9.2	113	9	FXHR5C0.75
5	1.0	32	0.20	19.50	0.6	0.9	9.6	130	14	FXHR5C1.0
5	1.5	30	0.25	13.30	0.7	1.0	11.2	171	18	FXHR5C1.5
5	2.5	50	0.25	7.98	0.8	1.2	13.4	265	24	FXHR5C2.5
5	4.0	56	0.30	4.95	0.8	1.4	15.4	353	32	FXHR5C4.0
5	6.0	84	0.30	3.30	0.8	1.4	16.5	506	42	FXHR5C6.0
5	10.0	80	0.40	1.91	1.0	1.4	20.6	815	55	FXHR5C10.0
5	16.0	126	0.40	1.21	1.0	1.6	24.0	1202	75	FXHR5C16.0
5	25.0	196	0.40	0.78	1.2	1.6	28.6	1818	100	FXHR5C25.0