

دوكاب Ducab

"دوفلكس" - الكابلات المرنة DuFlex - Flexible Cables



حلول متقدمة للكابلات من خلال التقنية والابداع
Advanced Cable Solutions Through Technology and Innovation

BICC

INFORMATION

Cenelec Standards published the harmonization documents HD 361 S2 & HD 361 S3 to illustrate the code designation of Harmonized wires and cables. Listed below are some of the most commonly used codes and abbreviations for Flexible Cables.

1- Type of determination

H: Cables and wires to the Harmonized Determination

A: Approved national type

2- Voltage designation U0/U

03: 300/300 V

05: 300/500 V

07: 450/750 V

3- Insulation Material

V: PVC insulation suitable for continuous operating temperature up to 70°C

V2: PVC insulation heat resistance suitable for continuous operating temperature up to 90°C or 105° C

4- Sheathed Material

V: PVC Sheathing suitable for continuous operating temperature up to 70°C

V2: PVC Sheathing suitable for continuous operating temperature up to 90°C or 105°C

5- Type of Conductor

K: Flexible Conductor for fixed laying

F: Flexible Multi-Core

IDENTIFICATION

a. Single Core Cables

- Single Phase System: Green/Yellow (earth), Blue (Neutral), Brown (Live)

- Three Phase System: Green/Yellow (earth), Blue (Neutral), Brown, Black & Grey (Live)

Note: Other colours are available as per client requirement

b. Multi-Core Cables

2 Cores: Blue & Brown



3- Cores: Green/Yellow, Blue & Brown



4- Cores: Green/Yellow, Blue, Brown & Black
or Green/Yellow, Brown, Black & Gray



5- Cores: Green/Yellow, Black, Blue, Brown & Black



Previous Page | Next page

MULTI-CORE ORDINARY DUTY PVC INSULATED AND SHEATHED FLEXIBLE CORD, CIRCULAR TWIN, 3-CORE AND 4-CORE, 300/500 V**Technical Specification**

Multi-Core Ordinary Duty PVC Insulated and Sheathed flexible cord, circular twin, 3-core and 4-core, 300/500 V

Standard

BS 6500 for sizes upto 2.5mm². BS 7919 for 4mm².

Application

For use in offices and household appliances such as computers, spin extractors, washing machines, spin dryers and refrigerators and also for all kinds of outdoor industrial use.

Conductor

Flexible class 5 copper conductors to BSEN 60228.

Insulation

PVC Type TI 2 to BSEN 50363-3.

Insulation colours

2-Core: Blue and Brown

3-Core: Green/Yellow, Blue and Brown

4-Core: Green/Yellow, Blue, Brown and Black or
Green/Yellow, Brown, Black and Grey

5-Core: Green/Yellow, Blue, Brown, Black and Grey

Sheathing

PVC Type TM 2 to BSEN 50363-4-1.

Standard Sheath Colour

White

Packing

Coils in 100 meters

Other lengths and sheath colours are available upon customer request



HO5VV-F

Conductor Cross-Sectional Area	Nominal Radial Thickness of Insulation	Radial Thickness of sheath	Mean overall diameter		Conductor Resistance at 20°C Max	Minimum Insulation Resistance at 70°C	Cable Approx. Weight
			Min	Max			
mm ²	mm	mm	mm		Ω/km	M Ω .km	kg/km

Two Cores

0.75	0.6	0.8	5.7	7.2	26	0.011	57
1	0.6	0.8	5.9	7.5	19.5	0.010	65
1.25	0.7	0.8	6.3	8.0	14.73	0.010	72
1.5	0.7	0.8	6.8	8.6	13.3	0.010	88
2.5	0.8	1.0	8.4	10.6	7.98	0.0095	139
4	0.8	1.1	9.7	12.1	4.95	0.007	185

Three Cores

0.75	0.6	0.8	6.0	7.6	26	0.011	70
1	0.6	0.8	6.3	8.0	19.5	0.010	80
1.25	0.7	0.9	6.9	8.7	14.73	0.010	102
1.5	0.7	0.9	7.4	9.4	13.3	0.010	111
2.5	0.8	1.0	9.2	11.4	7.98	0.0095	170
4	0.8	1.2	10.5	13.1	4.95	0.007	235

Four Cores

0.75	0.6	0.8	6.6	8.3	26	0.011	83
1	0.6	0.9	7.1	9.0	19.5	0.010	100
1.5	0.7	1.0	8.4	10.5	13.3	0.010	141
2.5	0.8	1.1	10.1	12.5	7.98	0.0095	218
4	0.8	1.2	11.5	14.3	4.95	0.007	294

Five Cores

0.75	0.6	0.9	7.4	9.3	26	0.011	102
1	0.6	0.9	7.8	9.8	19.5	0.010	121
1.5	0.7	1.1	9.3	11.6	13.3	0.010	174
2.5	0.8	1.2	11.2	13.9	7.98	0.0095	270
4	0.8	1.4	13.0	16.1	4.95	0.007	370