

Multi Core Cables



Used for outdoor and indoor installations in damp and wet locations
for supplying power to electrical units and equipments



Solid Cables

300 / 500 V

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications

Used for transferring electrical signals among different control units and also used in alarm systems

Standard

As per BS 6004 & IEC 60227-4

Rated Voltage

Working voltage up to 300/500 V

Conductor

Annealed solid copper

As per BS EN 60228 & IEC 60228 Class 1

Insulation

PVC temperature rating 70 °C as per BS 7655

(PVC rated 85 °C or 105 °C available on request)

Assembly

Laying up of insulated cores together to get round cable

Sheath

PVC type TM1 temperature rating 70 °C as per BS 7655

(PVC rated 85 °C or 105 °C available on request)

Packing

Coils of 100 yards or 1000 meters on wooden drum

Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Thickness of Inner Covering	Nominal sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.						
No.	mm ²	No. x mm	mm	mm	mm	mm	Kg/km	
2	1	1 x 1.13	0.6	0.4	1.2	7.9	97	C107PC10200PX01FXX
3	1	1 x 1.13	0.6	0.4	1.2	8.3	114	C107PC10300PX04FXX
4	1	1 x 1.13	0.6	0.4	1.2	8.9	136	C107PC10400PX08FXX
2	1.5	1 x 1.38	0.7	0.4	1.2	8.89	125	C108PC10200PX01FXX
3	1.5	1 x 1.38	0.7	0.4	1.2	10	150	C108PC10300PX04FXX
4	1.5	1 x 1.38	0.7	0.4	1.2	10	180	C108PC10400PX08FXX
2	2.5	1 x 1.78	0.8	0.4	1.2	11	171	C110PC10200PX01FXX
3	2.5	1 x 1.78	0.8	0.4	1.2	11.4	210	C110PC10300PX04FXX
4	2.5	1 x 1.78	0.8	0.4	1.4	11.78	255	C110PC10400PX08FXX
2	4	1 x 2.25	0.8	0.4	1.2	11	201	C112PC10200PX01FXX
3	4	1 x 2.25	0.8	0.4	1.2	11.6	249	C112PC10300PX04FXX
4	4	1 x 2.25	0.8	0.4	1.4	13	320	C112PC10400PX08FXX
2	6	1 x 2.76	0.8	0.4	1.2	12	260	C113PC10200PX01FXX
3	6	1 x 2.76	0.8	0.4	1.4	13.7	338	C113PC10300PX04FXX
4	6	1 x 2.76	0.8	0.4	1.4	15	434	C113PC10400PX08FXX
2	10	1 x 3.57	1	0.6	1.4	15.2	423	C114PC10200PX01FXX
3	10	1 x 3.57	1	0.6	1.4	16.1	533	C114PC10300PX04FXX
4	10	1 x 3.57	1	0.6	1.4	17.6	668	C114PC10400PX08FXX

Other sizes available upon request.

Table 8

The above data is approximate and subject to normal manufacturing tolerance.

For voltage 450/750 V, can be provided upon request

X : Insulation color (see Coding Key on page 55 character 13)

XX : Packing type & cutting length (see Coding Key on page 55 character 17 & 18)

Solid Cables

600 / 1000 V

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications

Used for transferring electrical signals among different control units and also used in alarm systems

Standard

As per IEC 60502-1

Rated Voltage

Working voltage up to 600/1000 V

Conductor

Annealed solid copper

As per IEC 60228 Class 1

Insulation

PVC type PVC/A temperature rating 70 °C as per IEC 60502-1
(PVC rated 85 °C or 105 °C available on request)

Assembly

Laying up of insulated cores together to get round cable

Sheath

PVC type ST1 temperature rating 80 °C as per IEC 60502-1
(PVC rated 85 °C or 105 °C available on request)

Packing

Available in standard length of 100 yards or 1000 meters coiled on wooden drums
Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Nominal sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	Kg/km	
2	1.5	1 x 1.38	0.8	1.8	10	150	C108PA10200CX01IXX
3	1.5	1 x 1.38	0.8	1.8	10.2	170	C108PA10300CX04IXX
4	1.5	1 x 1.38	0.8	1.8	10.80	204	C108PA10400CX08IXX
2	2.5	1 x 1.78	0.8	1.8	10.40	183	C108PA10200CX01IXX
3	2.5	1 x 1.78	0.8	1.8	11	221	C108PA10300CX04IXX
4	2.5	1 x 1.78	0.8	1.8	11.80	270	C108PA10400CX08IXX
2	4	1 x 2.25	1	1.8	12.10	260	C108PA10200CX01IXX
3	4	1 x 2.25	1	1.8	12.8	320	C108PA10300CX04IXX
4	4	1 x 2.25	1	1.8	13.90	390	C108PA10400CX08IXX
2	6	1 x 2.76	0.8	1.8	13.20	330	C108PA10200CX01IXX
3	6	1 x 2.76	0.8	1.8	14	415	C108PA10300CX04IXX
4	6	1 x 2.76	0.8	1.8	15.5	515	C108PA10400CX08IXX
2	10	1 x 3.57	1	1.8	14.80	460	C108PA10200CX01IXX
3	10	1 x 3.57	1	1.8	15.70	590	C108PA10300CX04IXX
4	10	1 x 3.57	1	1.8	18.20	725	C108PA10400CX08IXX

Other sizes available upon request.

Table 9

The above data is approximate and subject to normal manufacturing tolerance.

For voltage 450/750 V, can be provided upon request

X : Insulation color (see Coding Key on page 55 character 13)

XX : Packing type & cutting length (see Coding Key on page 55 character 17 & 18)

Stranded Cables

300 / 500 V

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications

Used for outdoor and indoor installations in damp and wet locations for supplying power to electrical units and equipment

Standard

As per BS 6004 & IEC 60227- 4

Rated Voltage

Working voltage up to 300/500 V

Conductor

Annealed stranded copper

As per BS EN 60228 & IEC 60228 Class 2

Insulation

PVC temperature rating 70 °C as per BS 7655

(PVC rated 85 °C or 105 °C available on request)

Assembly

Laying up of insulated cores together to get round cable

Sheath

PVC type TM1 temperature rating 70 °C as per BS 7655

(PVC rated 85 °C or 105 °C available on request)

Packing

Available in standard length of 100 yard coils

Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Thickness of Inner Covering	Nominal sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.						
No.	mm ²	No. x mm	mm	mm	mm	mm	Kg/km	
2	1.5	7 x 0.52	0.7	0.4	1.2	9.2	130	C208PC10200PX01FXX
3	1.5	7 x 0.52	0.7	0.4	1.2	9.7	151	C208PC10300PX04FXX
4	1.5	7 x 0.52	0.7	0.4	1.2	10.5	182	C208PC10400PX08FXX
2	2.5	7 x 0.67	0.8	0.4	1.2	10.4	174	C210PC10200PX01FXX
3	2.5	7 x 0.67	0.8	0.4	1.2	11	208	C210PC10300PX04FXX
4	2.5	7 x 0.67	0.8	0.4	1.2	12.0	252	C210PC10400PX08FXX
2	4	7 x 0.85	0.8	0.4	1.2	11.5	213	C212PC10200PX01FXX
3	4	7 x 0.85	0.8	0.4	1.2	12.2	278	C212PC10300PX04FXX
4	4	7 x 0.85	0.8	0.4	1.4	13.7	355	C212PC10400PX08FXX
2	6	7 x 1.04	0.8	0.4	1.2	12	298	C213PC10200PX01FXX
3	6	7 x 1.04	0.8	0.4	1.2	13.90	384	C213PC10300PX04FXX
4	6	7 x 1.04	0.8	0.4	1.2	15.5	489	C213PC10400PX08FXX
2	10	7 x 1.34	1	0.6	1.4	14.30	351	C214PC10200PX01FXX
3	10	7 x 1.34	1	0.6	1.4	15.20	430	C214PC10300PX04FXX
4	10	7 x 1.34	1	0.6	1.4	18.60	741	C214PC10400PX08FXX
2	16	7 x 1.68	1	0.6	1.4	18.20	667	C215PC10200PX01FXX
3	16	7 x 1.68	1	0.6	1.4	19.80	870	C215PC10300PX04FXX
4	16	7 x 1.68	1	0.6	1.4	21.60	1086	C215PC10400PX08FXX

Other sizes available upon request.

Table 10

The above data is approximate and subject to normal manufacturing tolerance.

X : Insulation color (see Coding Key on page 55 character 13)

XX : Packing type & cutting length (see Coding Key on page 55 character 17 & 18)

Stranded Cables

600 / 1000 V

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications

Used for transferring electrical signals between control units and also used in alarm systems

Standard

As per IEC 60502- 1

Rated Voltage

Working voltage up to 600/1000 V

Conductor

Annealed stranded copper

As per BS EN 60228 & IEC 60228 Class 2

Insulation

PVC type PVC/A temperature rating 70 °C as per IEC 60502-1
(PVC rated 85 °C or 105 °C available on request)

Assembly

Laying up of insulated cores together to get round cable

Sheath

PVC type ST1 temperature rating 80 °C as per

IEC 60502-1

(PVC rated 85 °C or 105 °C available on request)

Packing

Available in standard length of 100 yard coils

Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Nominal sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	Kg/km	
2	1.5	7 x 0.52	0.8	1.8	9.9	150	C208PA10200CX01IXX
3	1.5	7 x 0.52	0.8	1.8	10.6	174	C208PA10300CX04IXX
4	1.5	7 x 0.52	0.8	1.8	11.3	206	C208PA10400CX08IXX
2	2.5	7 x 0.67	0.8	1.8	10.9	185	C210PA10200CX01IXX
3	2.5	7 x 0.67	0.8	1.8	11.6	220	C210PA10300CX04IXX
4	2.5	7 x 0.67	0.8	1.8	12.30	265	C210PA10400CX08IXX
2	4	7 x 0.85	1	1.8	12.8	265	C212PA10200CX01IXX
3	4	7 x 0.85	1	1.8	13.6	320	C212PA10300CX04IXX
4	4	7 x 0.85	1	1.8	14.8	390	C212PA10400CX08IXX
2	6	7 x 1.04	1	1.8	14.0	337	C213PA10200CX01IXX
3	6	7 x 1.04	1	1.8	14.90	415	C213PA10300CX04IXX
4	6	7 x 1.04	1	1.8	16.2	510	C213PA10400CX08IXX
2	10	7 x 1.34	1	1.8	15.70	462	C214PA10200CX01IXX
3	10	7 x 1.34	1	1.8	16.70	580	C214PA10300CX04IXX
4	10	7 x 1.34	1	1.8	18.20	722	C214PA10400CX08IXX
2	16	7 x 1.68	1	1.8	17.80	650	C215PA10200CX01IXX
3	16	7 x 1.68	1	1.8	19.0	830	C215PA10300CX04IXX
4	16	7 x 1.68	1	1.8	21.80	1043	C215PA10400CX08IXX

Other sizes available upon request.

Table 11

The above data is approximate and subject to normal manufacturing tolerance.

Inner covering is optional

X : Insulation color (see Coding Key on page 55 character 13)

XX : Packing type & cutting length (see Coding Key on page 55 character 17 & 18)

Flexible Cables

300 / 500 V

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications

Used for mobile electrical equipment and units, supply pumps and motors, etc., in which cables with high flexibility are required. These cables are also used in household appliances such as, washing machines, refrigerators, kitchen equipment, and in offices and prefabricated houses

Standard

As per BS 6500 & IEC 60227-7

Rated Voltage

Working voltage up to 300/500 V

Conductor

Annealed flexible copper as per BS EN 60228 & IEC 60228 Class 5

Insulation

PVC temperature rating 70 °C as per BS 7655
(PVC rated 85 °C or 105 °C available on request)

Assembly

Laying up of insulated cores together to form round cable

Sheath

PVC type TM2 temperature rating 70 °C as per BS 7655
(PVC rated 85 °C or 105 °C available on request)

Packing

Available in standard length of 100, 80 and 50 yard coils
Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Nominal sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	Kg/km	
2	0.5	16 x 0.2	0.6	1.8	6	48	C505PC10200FX03BXX
3	0.5	16 x 0.2	0.6	1.8	6.2	57	C505PC10300FX06BXX
4	0.5	16 x 0.2	0.6	1.8	6.8	69	C505PC10400FX10BXX
2	0.75	24 x 0.2	0.6	1.8	6.30	58	C506PC10200FX03BXX
3	0.75	24 x 0.2	0.6	1.8	6.70	70	C506PC10300FX06BXX
4	0.75	24 x 0.2	0.6	1.8	7.25	83	C506PC10400FX10BXX
2	1	32 x 0.2	0.6	1.8	6.7	66	C507PC10200FX03BXX
3	1	32 x 0.2	0.6	1.8	7.1	80	C507PC10300FX06BXX
4	1	32 x 0.2	0.6	1.8	8	104	C507PC10400FX10BXX
2	1.5	30 x 0.25	0.7	1.8	8.8	90	C508PC10200FX03BXX
3	1.5	30 x 0.25	0.7	1.8	9.0	113	C508PC10300FX06BXX
4	1.5	30 x 0.25	0.7	1.8	9.8	144	C508PC10400FX10BXX
2	2.5	50 x 0.25	0.8	1.8	9.7	138	C510PC10200FX03BXX
3	2.5	50 x 0.25	0.8	1.8	10.8	174	C510PC10300FX06BXX
4	2.5	50 x 0.25	0.8	1.8	12.2	215	C510PC10400FX10BXX
2	4*	56 x 0.3	0.8	1.8	10.8	190	C512PB10200FX03BXX
3	4*	56 x 0.3	0.8	1.8	12.8	242	C512PB10300FX06BXX
4	4*	56 x 0.3	0.8	1.8	13.6	301	C512PB10400FX10BXX
2	6*	84 x 0.3	0.8	1.8	12.0	255	C513PB10200FX03BXX
3	6*	84 x 0.3	0.8	1.8	13.0	320	C513PB10300FX06BXX
4	6*	84 x 0.3	0.8	1.8	14.1	401	C513PB10400FX10BXX
2	10*	80 x 0.4	1	1.8	15.2	412	C514PB10200FX03BXX
3	10*	80 x 0.4	1	1.8	16.1	521	C514PB10300FX06BXX
4	10*	80 x 0.4	1	1.8	17.7	657	C514PB10400FX10BXX
2	16*	126 x 0.4	1	1.8	17.5	575	C515PB10200FX03BXX
3	16*	126 x 0.4	1	1.8	18.5	736	C515PB10300FX06BXX
4	16*	126 x 0.4	1	1.8	20.5	935	C515PB10400FX10BXX

The above data is approximate and subject to normal manufacturing tolerance

Table 12

* For sizes 4mm² and above, available upon request with rated voltage 450/750 V as above table

X : Insulation color (see Coding Key on page 55 character 13)

XX : Packing type & cutting length (see Coding Key on page 55 character 17 & 18)

Flexible Cables

600 / 1000 V

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Specifications:

Applications

Used for mobile electrical equipment and units, supply pumps and motors, etc., in which cables with high flexibility are required. These cables are also used in household appliances such as, washing machines, refrigerators, kitchen equipment, and in offices and prefabricated houses

Standard

As per IEC 60502-1

Rated Voltage

Working voltage up to 600/1000 V

Conductor

Annealed flexible copper as per IEC 60228 Class 5

Insulation

PVC type PVC/A temperature rating 70 °C as per IEC 60502-1
(PVC rated 85 °C or 105 °C available on request)

Assembly

Laying up of insulated cores together to form round cable

Sheath

PVC type ST1 temperature rating 80 °C as per IEC 60502-1
(PVC rated 85 °C or 105 °C available on request)

Packing

Available in standard lengths of 1000 meter on wooden drum
Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Nominal sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	Kg/km	
2	1.5	30 x 0.25	0.8	1.8	10	137	C508PA10200CX01IMR
3	1.5	30 x 0.25	0.8	1.8	10.5	160	C508PA10300CX04IMR
4	1.5	30 x 0.25	0.8	1.8	11.4	193	C508PA10400CX08IMR
2	2.5	50 x 0.25	0.8	1.8	10.9	173	C510PA10200CX01IMR
3	2.5	50 x 0.25	0.8	1.8	11.5	206	C510PA10300CX04IMR
4	2.5	50 x 0.25	0.8	1.8	12.5	250	C510PA10400CX08IMR
2	4	56 x 0.3	1	1.8	12.9	248	C512PA10200CX01IMR
3	4	56 x 0.3	1	1.8	13.6	300	C512PA10300CX04IMR
4	4	56 x 0.3	1	1.8	14.8	369	C512PA10400CX08IMR
2	6	84 x 0.3	1	1.8	14.0	312	C513PA10200CX01IMR
3	6	84 x 0.3	1	1.8	14.8	384	C513PA10300CX04IMR
4	6	84 x 0.3	1	1.8	16.2	476	C513PA10400CX08IMR
2	10	80 x 0.4	1	1.8	16.0	443	C514PA10200CX01IMR
3	10	80 x 0.4	1	1.8	16.9	548	C514PA10300CX04IMR
4	10	80 x 0.4	1	1.8	18.5	687	C514PA10400CX08IMR
2	16	126 x 0.4	1	1.8	18.1	602	C515PA10200CX01IMR
3	16	126 x 0.4	1	1.8	19.2	767	C515PA10300CX04IMR
4	16	126 x 0.4	1	1.8	21.1	970	C515PA10400CX08IMR

Other sizes available upon request.

The above data is approximate and subject to normal manufacturing tolerance.

For voltage 450/750 V, can be provided upon request

X : Insulation color (see Coding Key on page 55 character 13)

Table 13

Flat Cables

300 / 500 V

Flat Twin Cables PVC Insulated and PVC Sheathed Cable CU/PVC/PVC

Technical Specifications:

Applications

Used for supplying power to fixed electrical equipment and appliances in various types of buildings. Due to its flat shape it occupies lesser space when fixed on external or internal walls of buildings and in outdoor electronic signboards

Standard

As per BS 6004

Rated Voltage

Working voltage up to 300/500 V

Conductor

Annealed stranded copper as per BS EN 60228 Class 2

Insulation

PVC type TII temperature rating 70 °C as per BS 7655
(PVC rated 85 °C or 105 °C available on request)

Sheath

PVC temperature rating 70 °C as per BS 7655
(PVC rated 85 °C or 105 °C available on request)

Packing

Available in standard lengths of 100, 80, 50 and 40 yards coils
Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Nominal sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	Kg/km	
2	1.5	7 x 0.52	0.7	0.9	4.8 x 7.8	75	C208PCF0200PX01BXX
3	1.5	7 x 0.52	0.7	0.9	4.8 x 10.8	105	C208PCF0300PX04BXX
2	2.5	7 x 0.67	0.8	1.0	5.7 x 9.3	107	C210PCF0200PX01BXX
3	2.5	7 x 0.67	0.8	1.0	5.7 x 12.9	154	C210PCF0300PX04BXX
2	4	7 x 0.85	0.8	1.0	6.2 x 10.3	145	C212PCF0200PX01BXX
3	4	7 x 0.85	0.8	1.0	6.2 x 14.7	209	C212PCF0300PX04BXX
2	6	7 x 1.04	0.8	1.1	7.1 x 11.8	202	C213PCF0200PX01BXX
3	6	7 x 1.04	0.8	1.1	7.1 x 16.5	293	C213PCF0300PX04BXX
2	10	7 x 1.34	1	1.2	8.5 x 14.6	315	C214PCF0200PX01BXX
3	10	7 x 1.34	1	1.2	8.5 x 21.0	430	C214PCF0300PX04BXX

Other sizes available upon request

Flat cables are available with solid conductors upon request

The above data is approximate and subject to normal manufacturing tolerance

X : Insulation color (see Coding Key on page 55 character 13)

XX : Packing type & cutting length (see Coding Key on page 55 character 17 & 18)

Table 14

Parallel Twin Cables

300 / 300 V

PVC Insulated, Non-Sheathed Cable, 300/300 V

Technical Specifications:

Applications

Used for internal wiring inside electrical equipment and appliances. Its main feature is its flat shape

Standard

As per BS 6500

Rated Voltage

Working voltage up to 300/300 V

Conductor

Annealed flexible copper as per BS EN 60228 Class 5

Insulation

PVC type T12 temperature rating 70 °C as per BS 7655
(PVC rated 85 °C or 105 °C available on request)

Packing

Available in standard length of 100 yard coils
Other lengths available upon request



Technical Data:

Number of cores	Conductor		Nominal Insulation Thickness	Approx. Overall Diameter	Approx. Net Weight	Item Code
	Size	Cons.				
No.	mm ²	No. x mm	mm	mm	Kg/km	
2	0.5	16 x 0.20	0.8	2.5 x 5.0	23	C505FEB02000X03BXX
2	0.75	24 x 0.20	0.8	2.8 x 5.5	29	C506FEB02000X03BXX
2	1.0	32 x 0.20	0.8	2.9 x 5.8	35	C507FEB02000X03BXX

The above data is approximate and subject to normal manufacturing tolerance

Table 15

X : Insulation color (see Coding Key on page 55 character 13)

XX : Packing type & cutting length (see Coding Key on page 55 character 17 & 18)