

MULTI CORE CABLES

B

Solid Cables

300 / 500 V

PVC Insulated and PVC Sheathed, CU/PVC/PVC



Technical Specifications:

- **Application**
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 6360 & 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 are available upon request

PVC Insulated and PVC Sheathed, CU/PVC/PVC
Technical Data

Number of cores	Conductor		Nominal Insulation Thickness	Thickness of Inner Covering	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	AES Code
	Size	Cons.						
No.	mm ²	No. x mm	mm	mm	mm	mm	kg / km	-
2			0.6	0.4	1.2	7.9	97	C107PC10200PXX ^a 01FXX ^b
3	1	1 x 1.13	0.6	0.4	1.2	8.3	114	C107PC10300PXX ^a 04FXX ^b
4			0.6	0.4	1.2	8.9	136	C107PC10400PXX ^a 08FXX ^b
2			0.7	0.4	1.2	8.89	125	C108PC10200PXX ^a 01FXX ^b
3	1.5	1 x 1.38	0.7	0.4	1.2	10	150	C108PC10300PXX ^a 04FXX ^b
4			0.7	0.4	1.2	10	180	C108PC10400PXX ^a 08FXX ^b
2			0.8	0.4	1.2	11	171	C110PC10200PXX ^a 01FXX ^b
3	2.5	1 x 1.78	0.8	0.4	1.2	11.4	210	C110PC10300PXX ^a 04FXX ^b
4			0.8	0.4	1.4	11.78	255	C110PC10400PXX ^a 08FXX ^b
2			0.8	0.4	1.2	11.0	201	C112PC10200PXX ^a 01FXX ^b
3	4	1 x 2.25	0.8	0.4	1.2	11.6	249	C112PC10300PXX ^a 04FXX ^b
4			0.8	0.4	1.4	13.0	320	C112PC10400PXX ^a 08FXX ^b
2			0.8	0.4	1.2	12.0	260	C113PC10200PXX ^a 01FXX ^b
3	6	1 x 2.76	0.8	0.4	1.4	13.7	338	C113PC10300PXX ^a 04FXX ^b
4			0.8	0.6	1.4	15.0	434	C113PC10400PXX ^a 08FXX ^b
2			1	0.6	1.4	15.2	423	C114PC10200PXX ^a 01FXX ^b
3	10	1 x 3.57	1	0.6	1.4	16.1	533	C114PC10300PXX ^a 04FXX ^b
4			1	0.6	1.4	17.6	668	C114PC10400PXX ^a 08FXX ^b

Other sizes can be provided on specific request

The above data is approximate and subject to normal manufacturing tolerance

For voltage 450/750 V, can be provided on specific request

XX^a : Sheath color (see AES Code Key - page 42- 45)

XX^b : Packing type (see AES Code Key - page 42- 45)

PVC Insulated and PVC Sheathed, CU/PVC/PVC**Technical Specifications:****Application**

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 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 on request

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Data

Number of cores	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	AES Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	kg / km	-
2			0.8	1.8	10	150	C108PA10200CXX ^a 01IXX ^b
3	1.5	1 x 1.38	0.8	1.8	10.2	170	C108PA10300CXX ^a 04IXX ^b
4			0.8	1.8	10.80	204	C108PA10400CXX ^a 08IXX ^b
2			0.8	1.8	10.40	183	C108PA10200CXX ^a 01IXX ^b
3	2.5	1 x 1.78	0.8	1.8	11	221	C108PA10300CXX ^a 04IXX ^b
4			0.8	1.8	11.80	270	C108PA10400CXX ^a 08IXX ^b
2			1	1.8	12.10	260	C108PA10200CXX ^a 01IXX ^b
3	4	1 x 2.25	1	1.8	12.8	320	C108PA10300CXX ^a 04IXX ^b
4			1	1.8	13.90	390	C108PA10400CXX ^a 08IXX ^b
2			1	1.8	13.20	330	C108PA10200CXX ^a 01IXX ^b
3	6	1 x 2.76	1	1.8	14	415	C108PA10300CXX ^a 04IXX ^b
4			1	1.8	15.5	515	C108PA10400CXX ^a 08IXX ^b
2			1	1.8	14.80	460	C108PA10200CXX ^a 01IXX ^b
3	10	1 x 3.57	1	1.8	15.70	590	C108PA10300CXX ^a 04IXX ^b
4			1	1.8	18.20	725	C108PA10400CXX ^a 08IXX ^b

Other sizes can be provided on specific request

Inner covering is optional

The above data is approximate and subject to normal manufacturing tolerance

XX^a : Sheath color (see AES Code Key - page 42 - 45)

XX : Packing type (see AES Code Key - page 42- 45)

PVC Insulated and PVC Sheathed, CU/PVC/PVC**Technical Specifications:****Application**

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 6360 & 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 on request

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Data

Number of cores	Conductor		Nominal Insulation Thickness	Thickness of Inner Covering	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	AES Code
	Size	Cons.						
No.	mm ²	No. x mm	mm	mm	mm	mm	kg / km	-
2			0.7	0.4	1.2	9.2	130	C208PC10200PXX ^a 01FXX ^b
3	1.5	7 x 0.52	0.7	0.4	1.2	9.7	151	C208PC10300PXX ^a 04FXX ^b
4			0.7	0.4	1.2	10.5	182	C208PC10400PXX ^a 08FXX ^b
2			0.8	0.4	1.2	10.4	174	C210PC10200PXX ^a 01FXX ^b
3	2.5	7 x 0.67	0.8	0.4	1.2	11.0	208	C210PC10300PXX ^a 04FXX ^b
4			0.8	0.4	1.2	12.0	252	C210PC10400PXX ^a 08FXX ^b
2			0.8	0.4	1.2	11.5	213	C212PC10200PXX ^a 01FXX ^b
3	4	7 x 0.85	0.8	0.4	1.2	12.2	278	C212PC10300PXX ^a 04FXX ^b
4			0.8	0.4	1.4	13.7	355	C212PC10400PXX ^a 08FXX ^b
2			0.8	0.4	1.2	12.0	298	C213PC10200PXX ^a 01FXX ^b
3	6	7 x 1.04	0.8	0.4	1.2	13.90	384	C213PC10300PXX ^a 04FXX ^b
4			0.8	0.4	1.2	15.5	489	C213PC10400PXX ^a 08FXX ^b
2			1	0.6	1.4	14.30	351	C214PC10200PXX ^a 01FXX ^b
3	10	7 x 1.34	1	0.6	1.4	15.20	430	C214PC10300PXX ^a 04FXX ^b
4			1	0.6	1.4	18.60	741	C214PC10400PXX ^a 08FXX ^b
2			1	0.6	1.4	18.20	667	C215PC10200PXX ^a 01FXX ^b
3	16	7 x 1.68	1	0.6	1.4	19.80	870	C215PC10300PXX ^a 04FXX ^b
4			1	0.6	1.4	21.60	1086	C215PC10400PXX ^a 08FXX ^b

Other sizes can be provided on specific request

The above data is approximate and subject to normal manufacturing tolerance

For voltage 450/750 V, available on request

XX^a : Sheath color (see AES - code Key - page 42- 45)

XX^b : Packing type (see AES - code Key - page 42- 45)

PVC Insulated and PVC Sheathed,CU/PVC/PVC**Technical Specifications:****■ Application**

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 6360 & 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 on request

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Data

Number of cores	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	AES Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	kg / km	-
2			0.8	1.8	9.9	150	C208PA10200CXX ^a 01IXX ^b
3	1.5	7 x 0.52	0.8	1.8	10.6	174	C208PA10300CXX ^a 04IXX ^b
4			0.8	1.8	11.3	206	C208PA10400CXX ^a 08IXX ^b
2			0.8	1.8	10.9	185	C210PA10200CXX ^a 01IXX ^b
3	2.5	7 x 0.67	0.8	1.8	11.6	220	C210PA10300CXX ^a 04IXX ^b
4			0.8	1.8	12.30	265	C210PA10400CXX ^a 08IXX ^b
2			1	1.8	12.8	265	C212PA10200CXX ^a 01IXX ^b
3	4	7 x 0.85	1	1.8	13.6	320	C212PA10300CXX ^a 04IXX ^b
4			1	1.8	14.8	390	C212PA10400CXX ^a 08IXX ^b
2			1	1.8	14.0	337	C213PA10200CXX ^a 01IXX ^b
3	6	7 x 1.04	1	1.8	14.9	415	C213PA10300CXX ^a 04IXX ^b
4			1	1.8	16.2	510	C213PA10400CXX ^a 08IXX ^b
2			1	1.8	15.70	462	C214PA10200CXX ^a 01IXX ^b
3	10	7 x 1.34	1	1.8	16.70	580	C214PA10300CXX ^a 04IXX ^b
4			1	1.8	18.20	722	C214PA10400CXX ^a 08IXX ^b
2			1	1.8	17.80	650	C215PA10200CXX ^a 01IXX ^b
3	16	7 x 1.68	1	1.8	19.0	830	C215PA10300CXX ^a 04IXX ^b
4			1	1.8	21.80	1043	C215PA10400CXX ^a 08IXX ^b

Other sizes can be provided on specific request

Inner covering is optional

The above data is approximate and subject to normal manufacturing tolerance

XX^a : Sheath color (see AES - code Key - page 42- 45)

XX^b : Packing type (see AES - code Key - page 42- 45)

PVC Insulated and PVC Sheathed CU/PVC/PVC**Technical Specifications:****■ Application**

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 6360 & 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 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 on request

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Data

No.	Conductor		Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Approx. Overall Diameter mm	Approx. Net Weight kg / km	AES Code
	Size mm ²	Cons. No. x mm					
2			0.6	0.8	6	48	C505PC10200FXX ^a 03BXX ^b
3	0.5	16 x 0.2	0.6	0.8	6.2	57	C505PC10300FXX ^a 06BXX ^b
4			0.6	0.8	6.8	69	C505PC10400FXX ^a 10BXX ^b
2			0.6	0.8	6.30	58	C506PC10200FXX ^a 03BXX ^b
3	0.75	24 x 0.2	0.6	0.8	6.70	70	C506PC10300FXX ^a 06BXX ^b
4			0.6	0.8	7.25	83	C506PC10400FXX ^a 10BXX ^b
2			0.6	0.8	6.7	66	C507PC10200FXX ^a 03BXX ^b
3	1	32 x 0.2	0.6	0.8	7.1	80	C507PC10300FXX ^a 06BXX ^b
4			0.6	0.9	8	104	C507PC10400FXX ^a 10BXX ^b
2			0.7	0.9	8.8	90	C508PC10200FXX ^a 03BXX ^b
3	1.5	30 X 0.25	0.7	0.9	9.0	113	C508PC10300FXX ^a 06BXX ^b
4			0.7	1.2	9.8	144	C508PC10400FXX ^a 10BXX ^b
2			0.8	1.1	9.7	138	C510PC10200FXX ^a 03BXX ^b
3	2.5	50 X 0.25	0.8	1.1	10.8	174	C510PC10300FXX ^a 06BXX ^b
4			0.8	1.2	12.2	215	C510PC10400FXX ^a 10BXX ^b
2			0.8	1.2	10.8	190	C512PB10200FXX ^a 03BXX ^b
3	4*	56 X 0.3	0.8	1.2	12.8	242	C512PB10300FXX ^a 06BXX ^b
4			0.8	1.2	13.6	301	C512PB10400FXX ^a 10BXX ^b
2			0.8	1.2	12.0	255	C513PB10200FXX ^a 03BXX ^b
3	6*	84 X 0.3	0.8	1.2	13.0	320	C513PB10300FXX ^a 06BXX ^b
4			0.8	1.4	14.1	401	C513PB10400FXX ^a 10BXX ^b
2			1.0	1.4	15.2	412	C514PB10200FXX ^a 03BXX ^b
3	10*	80 X 0.4	1.0	1.4	16.1	521	C514PB10300FXX ^a 06BXX ^b
4			1.0	1.4	17.7	657	C514PB10400FXX ^a 10BXX ^b
2			1.0	1.4	17.5	575	C515PB10200FXX ^a 03BXX ^b
3	16*	126 X 0.4	1.0	1.4	18.5	736	C515PB10300FXX ^a 06BXX ^b
4			1.0	1.4	20.5	935	C515PB10400FXX ^a 10BXX ^b

The above data is approximate and subject to normal manufacturing tolerance

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

XX^a : Sheath color (see AES Code Key - page 42- 45)

XX^b : Packing type (see AES Code Key - page 42- 45)

PVC Insulated and PVC Sheathed CU/PVC/PVC**Technical Specifications:****Application**

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 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 100, 80 and 50 yards coils.
Other lengths available on request

PVC Insulated and PVC Sheathed, CU/PVC/PVC

Technical Data

Number of cores	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. overall diameter	Approx. net weight	AES Code
	Size	Cons.					
No.	mm ²	No x mm	mm	mm	mm	kg / km	-
2			0.8	1.8	10.0	137	C508PA10200CXX ^a 03IXX ^b
3	1.5	30 X 0.25	0.8	1.8	10.5	160	C508PA10300CXX ^a 06IXX ^b
4			0.8	1.8	11.4	193	C508PA10400CXX ^a 10IXX ^b
2			0.8	1.8	10.9	173	C510PA10200CXX ^a 03IXX ^b
3	2.5	50 X 0.25	0.8	1.8	11.5	206	C510PA10300CXX ^a 06IXX ^b
4			0.8	1.8	12.5	250	C510PA10400CXX ^a 10IXX ^b
2			1.0	1.8	12.9	248	C512PA10200CXX ^a 03IXX ^b
3	4	56 X 0.3	1.0	1.8	13.6	300	C512PA10300CXX ^a 06IXX ^b
4			1.0	1.8	14.8	369	C512PA10400CXX ^a 10IXX ^b
2			1.0	1.8	14.0	312	C513PA10200CXX ^a 03IXX ^b
3	6	84 X 0.3	1.0	1.8	14.8	384	C513PA10300CXX ^a 06IXX ^b
4			1.0	1.8	16.2	476	C513PA10400CXX ^a 10IXX ^b
2			1.0	1.8	16.0	443	C514PA10200CXX ^a 03IXX ^b
3	10	80 X 0.4	1.0	1.8	16.9	548	C514PA10300CXX ^a 06IXX ^b
4			1.0	1.8	18.5	687	C514PA10400CXX ^a 10IXX ^b
2			1.0	1.8	18.1	602	C515PA10200CXX ^a 03IXX ^b
3	16	126 X 0.4	1.0	1.8	19.2	767	C515PA10300CXX ^a 06IXX ^b
4			1.0	1.8	21.1	970	C515PA10400CXX ^a 10IXX ^b

Other sizes can be provided on specific request

The above data is approximate and subject to normal manufacturing tolerance

XX^a : Sheath color (see AES Code Key - page 42-45)

XX^b : Packing type (see AES Code Key - page 42-45)

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



Technical Specifications:

Application

Used for supplying power to fixed electrical equipment and appliances in different kinds 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 6360 Class 2

Insulation

PVC type T11 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 on request

Technical Data

Number of cores	Conductor		Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Net Weight	AES Code
	Size	Cons.					
No.	mm ²	No. x mm	mm	mm	mm	kg / km	-
2			0.7	0.9	4.8 x 7.8	75	C208PCF0200PXX ^a 01BXX ^b
3	1.5	7 x 0.52	0.7	0.9	4.8 x 10.8	105	C208PCF0300PXX ^a 04BXX ^b
2			0.8	1.0	5.7 x 9.3	107	C210PCF0200PXX ^a 01BXX ^b
3	2.5	7 x 0.67	0.8	1.0	5.7 x 12.9	154	C210PCF0300PXX ^a 04BXX ^b
2			0.8	1.0	6.2 x 10.3	145	C212PCF0200PXX ^a 01BXX ^b
3	4	7 x 0.85	0.8	1.0	6.2 x 14.7	209	C212PCF0300PXX ^a 04BXX ^b
2			0.8	1.1	7.1 x 11.8	202	C213PCF0200PXX ^a 01BXX ^b
3	6	7 x 1.04	0.8	1.1	7.1 x 16.5	293	C213PCF0300PXX ^a 04BXX ^b
2			1.0	1.2	8.5 x 14.6	315	C214PCF0200PXX ^a 01BXX ^b
3	10	7 x 1.34	1.0	1.2	8.5 x 21.0	430	C214PCF0300PXX ^a 04BXX ^b

Other sizes can be provided on specific request

Flat cables are available with solid conductors on request

The above data is approximate and subject to normal manufacturing tolerance

XX^a : Sheath color (see AES Code Key - page 42- 45)

XX : Packing type (see AES Code Key - page 42- 45)

Parallel Twin

300 / 300 V

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



Technical Specifications:

Application

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

Standard

As per IEC 60227-5

Conductor

Annealed flexible copper as per IEC 60228 Class 5

Insulation

PVC type PVC/D temperature rating 70 °C as per IEC 60227-5
(PVC rated 85 °C or 105 °C available on request)

Packing

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

Technical Data

Number of cores	Conductor		Nominal Insulation Thickness	Approx. Overall Diameter	Approx. Net Weight	AES 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	C505FEB02000XX ^a 03BXX ^b
2	0.75	24 x 0.20	0.8	2.8 x 5.5	29	C506FEB02000XX ^a 03BXX ^b
2	1.0	32 x 0.20	0.8	2.9 x 5.8	35	C507FEB02000XX ^a 03BXX ^b

The above data is approximate and subject to normal manufacturing tolerance

XX^a : Sheath color (see AES - code Key - page 42- 45)

XX^b : Packing type (see AES - code Key - page 42- 45)