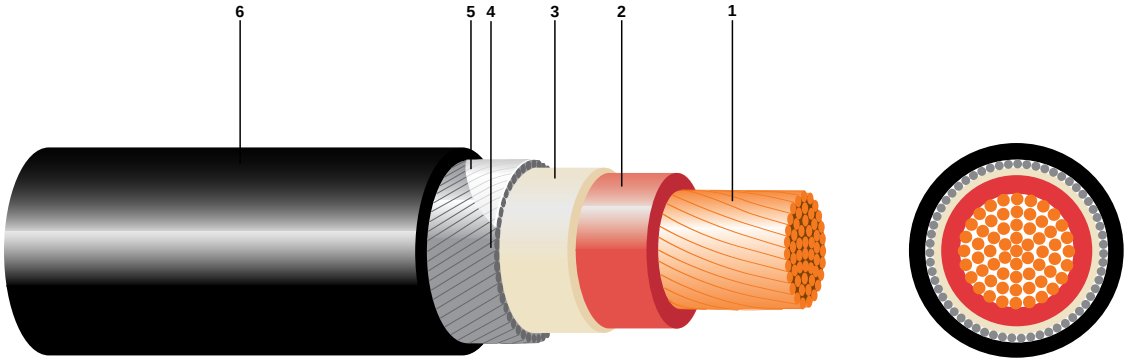
LOW SMOKE FUMES, FIRE RETARDANT, HALOGEN FREE CABLES - COPPER CONDUCTORS 0.6/1 KV

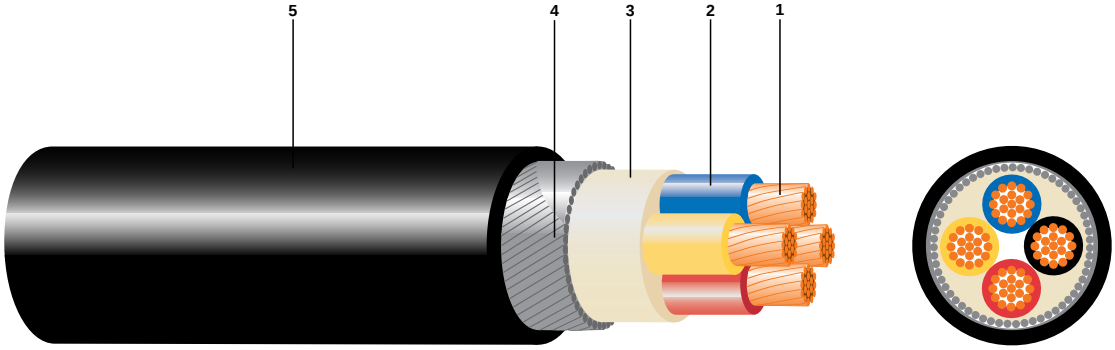
SINGLE CORE

1. Stranded Copper Conductor
2. XLPE Insulation
3. Halogen free compound inner sheath
4. Aluminium Wire Armour
5. Non-hygroscopic separation tape
6. LSF-FR-HF compound sheath



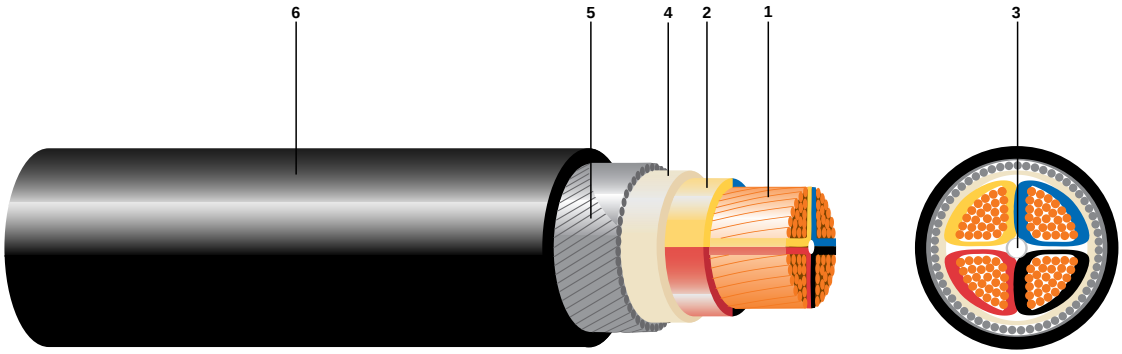
MULTICORE CIRCULAR STRANDED

1. Stranded Copper Conductor
2. XLPE Insulation
3. Halogen free compound inner sheath
4. Round Steel Wire Armour
5. LSF-FR-HF compound sheath



MULTICORE SECTORAL STRANDED

1. Sectoral Copper Conductor
2. XLPE Insulation
3. Centre Filling
4. Halogen free compound inner sheath
5. Round Steel Wire Armour
6. LSF-FR-HF compound sheath



DESCRIPTION

Single core and multicore cables with copper conductors, XLPE insulated, extruded halogen free inner sheath, armoured and LSF-FR-HF sheathed. Cables are rated 0.6/1 KV and conform to BS:6724 and BS:7211.

CONSTRUCTION

Conductor
Plain circular or sector stranded copper conductors, per IEC:228 class 1 and 2.

Insulation
XLPE (cross-linked polyethylene) rated 90°C.

Assembly
Two, three or four insulated cores are assembled together.

Inner sheath
In single core cables, inner sheath of halogen free compound is applied over insulation. In multicore cables, assembled cores are covered with inner sheath of halogen free compound.

Armour
For single core cables, a layer of aluminium wires applied helically over inner sheath. For multicore cables, galvanised round steel wires applied helically over inner sheath.

Sheath
LSF-FR-HF compound, colour black.

Colours for core identification

Single core	-	red (black colour on request)
Two cores	-	red and black
Three cores	-	red, yellow and blue
Four cores	-	red, yellow, blue and black

FEATURES

Cables manufactured with the above construction have a combination of high flame retardancy as well as low smoke and non-halogen acid gas generation. This makes these cables ideal to install in locations such as chemical plants, hospitals, military installations, underground railways, tunnels, etc.

APPLICATION

These cables are intended for installation on cable trays or in cable ducts.

TO ORDER
Order by catalogue number, quantity and packaging required.

Example
FNL4-22A-A12 5km (20 x 250m) on wooden reels.

Note: In the interests of product improvement, SCC reserve the right to alter cable specifications.

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Armouring	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Diameter of aluminium wire Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
ENW1-14A-A05	50	6	1.0	1.25	1.5	18.2	710	1000
ENW1-16A-A04	70	12	1.1	1.25	1.5	20.2	940	1000
ENW1-17A-A05	95	15	1.1	1.25	1.6	22.3	1220	1000
ENW1-19A-A03	120	18	1.2	1.25	1.6	24.2	1480	1000
ENW1-21A-A03	150	18	1.4	1.60	1.7	27.4	1870	500
ENW1-22A-A04	185	30	1.6	1.60	1.8	30.0	2280	500
ENW1-24A-A03	240	34	1.7	1.60	1.8	32.8	2880	500
ENW1-26A-A07	300	34	1.8	1.60	1.9	35.6	3520	500
ENW1-27A-A07	400	53	2.0	2.00	2.0	40.4	4520	500
ENW1-28A-A05	500	53	2.2	2.00	2.1	44.2	5640	500
ENW1-30A-A07	630	53	2.4	2.00	2.2	48.8	7110	500

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Armouring	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Diameter of steel wire Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
2 Core								
CNL2-05A-A16	2.5 rm	7	0.7	1.25	1.4	14.3	500	1000
CNL2-06A-A10	4 rm	7	0.7	1.25	1.4	15.4	560	1000
CNL2-07A-A13	6 rm	7	0.7	1.25	1.4	16.6	670	1000
CNL2-08A-A05	10 rm	7	0.7	1.25	1.5	18.7	850	1000
ENL2-09A-A05	16 rm	6	0.7	1.25	1.5	20.0	1060	1000
ENL2-10A-A06	25 rm	6	0.9	1.25	1.6	24.1	1620	1000
ENL2-11A-A05	35 rm	6	0.9	1.60	1.7	23.4	1930	500
3 Core								
CNL3-05A-A28	2.5 rm	7	0.7	1.25	1.4	14.8	540	1000
CNL3-06A-A22	4 rm	7	0.7	1.25	1.4	16.0	620	1000
CNL3-07A-A20	6 rm	7	0.7	1.25	1.4	17.3	755	1000
ENL3-08A-A11	10 rm	7	0.7	1.25	1.5	20.2	960	1000
ENL3-09A-A18	16 rm	6	0.7	1.25	1.6	21.2	1240	1000
ENL3-10A-A03	25 rm	6	0.9	1.60	1.7	26.7	1720	500
FNL3-11A-A02	35 sm	6	0.9	1.60	1.8	25.9	2130	500
FNL3-14A-A02	50 sm	6	1.0	1.60	1.8	28.5	2380	500
FNL3-16A-A03	70 sm	12	1.1	1.60	1.9	32.2	3150	500
FNL3-17A-A02	95 sm	15	1.1	2.00	2.1	37.0	4320	500
FNL3-19A-A05	120 sm	18	1.2	2.00	2.2	40.4	5200	500
FNL3-21A-A02	150 sm	18	1.4	2.50	2.3	45.5	6620	500
FNL3-22A-A02	185 sm	30	1.6	2.50	2.4	49.8	7980	500
FNL3-23A-A02	240 sm	34	1.7	2.50	2.6	55.1	9960	250
FNL3-26A-A02	300 sm	34	1.8	2.50	2.7	60.2	12060	250

rm - circular stranded conductor sm - sectoral stranded conductor

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Armouring	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Diameter of steel wire Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
4 Core								
CNL4-05A-A22	2.5 rm	7	0.7	1.25	1.4	15.7	600	1000
CNL4-06A-A15	4 rm	7	0.7	1.25	1.4	17.1	700	1000
CNL4-07A-A25	6 rm	7	0.7	1.25	1.5	18.7	860	1000
ENL4-08A-A13	10 rm	7	0.7	1.25	1.5	21.1	1100	1000
ENL4-09A-A05	16 rm	6	0.7	1.25	1.6	22.9	1600	1000
FNL4-10A-A26	25 sm	6	0.9	1.60	1.7	28.9	2090	500
FNL4-11A-A13	35 sm	6	0.9	1.60	1.8	28.8	2590	500
FNL4-14A-A12	50 sm	6	1.0	1.60	1.9	32.0	2960	500
FNL4-16A-A11	70 sm	12	1.1	2.00	2.1	37.7	4240	500
FNL4-17A-A10	95 sm	15	1.1	2.00	2.2	41.7	5410	500
FNL4-19A-A13	120 sm	18	1.2	2.50	2.3	47.1	6980	500
FNL4-21A-A08	150 sm	18	1.4	2.50	2.4	51.4	8320	250
FNL4-22A-A12	185 sm	30	1.6	2.50	2.6	56.6	10080	250
FNL4-23A-A06	240 sm	34	1.7	2.50	2.7	63.0	12690	250
FNL4-26A-A08	300 sm	34	1.8	2.50	2.9	68.8	15420	250

	Conductor				Insulation		Armouring	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2		Minimum number of wires		Thickness Nominal mm		Diameter of steel wire Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
	Ph	Ne	Ph	Ne	Ph	Ne					
4 Core with reduced neutral											
ENLB-54A-A03	25 rm	16 rm	6	6	0.9	0.7	1.60	1.7	30.4	2200	500
FNLB-55A-A04	35 sm	16 rm	6	6	0.9	0.7	1.60	1.8	29.9	2380	500
FNLB-58A-A04	50 sm	25 rm	6	6	1.0	0.9	1.60	1.9	31.2	2780	500
FNLB-59A-A03	70 sm	35 rm	12	6	1.1	0.9	2.00	2.0	36.6	3960	500
FNLB-62A-A04	95 sm	50 rm	15	6	1.1	1.0	2.00	2.1	41.0	4870	500
FNLB-63A-A03	120 sm	70 rm	18	12	1.2	1.1	2.00	2.2	45.3	5990	500
FNLB-64A-A03	150 sm	70 rm	18	12	1.4	1.1	2.50	2.4	50.0	7550	250
FNLB-66A-A02	185 sm	95 rm	30	15	1.6	1.1	2.50	2.5	55.3	9100	250
FNLB-67A-A02	240 sm	120 rm	34	18	1.7	1.2	2.50	2.6	61.0	11510	250
FNLB-69A-A02	300 sm	150 rm	34	18	1.8	1.4	2.50	2.8	66.7	13790	250

rm - circular stranded conductor sm - sectoral stranded conductor

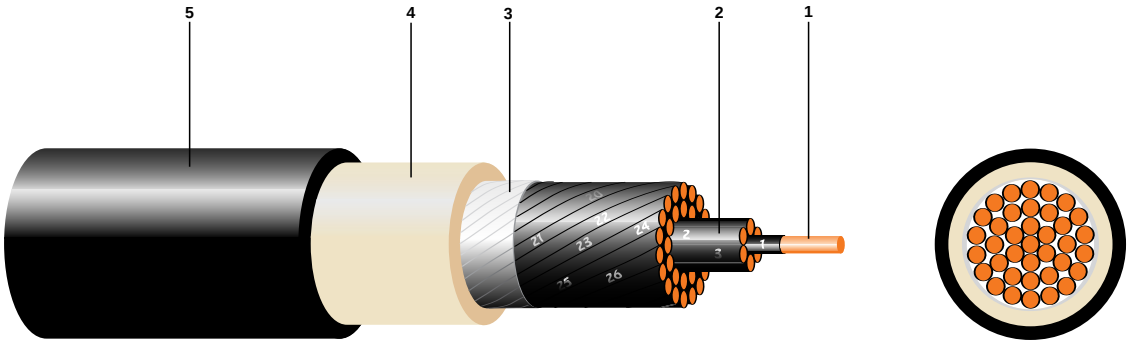
CURRENT RATINGS AND ASSOCIATED VOLTAGE DROP

Conductor	Current rating in air		Approx voltage drop per amp per meter	
Size mm^2	Two cables spaced* amp	Three cables trefoil amp	Two cables spaced* mv	Three cables trefoil mv
Single Core				
50	271	222	1.00	0.870
70	342	285	0.74	0.620
95	418	346	0.57	0.470
120	485	402	0.48	0.390
150	542	463	0.42	0.330
185	618	529	0.37	0.280
240	722	625	0.33	0.240
300	817	720	0.31	0.210
400	893	815	0.29	0.195
500	988	918	0.28	0.180
630	1090	1027	0.27	0.170
Multicore				
25	152	131	1.90	1.650
35	188	162	1.35	1.150
50	228	197	1.00	0.870
70	291	251	0.69	0.600
95	354	304	0.52	0.540
120	410	353	0.42	0.370
150	472	406	0.35	0.300
185	539	463	0.29	0.260
240	636	546	0.24	0.210
300	732	628	0.21	0.185

* Cables spaced at twice the overall diameter between centers

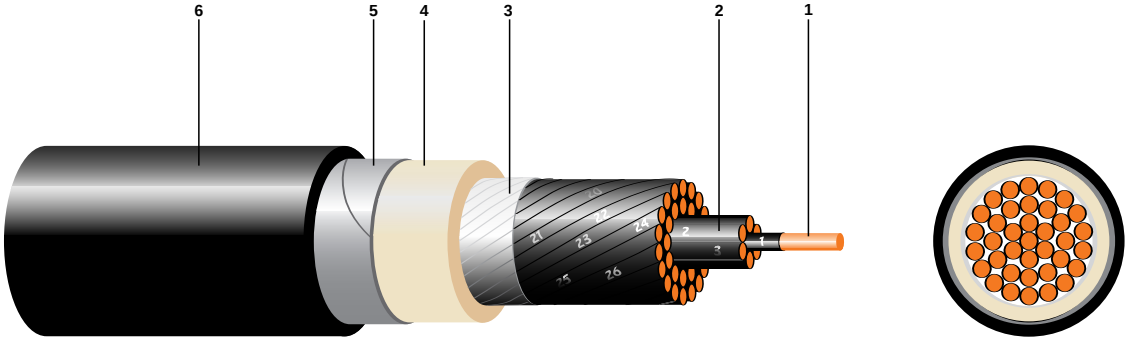
UNARMOURED CONTROL CABLES

1. Stranded or Solid Copper Conductor
2. PVC Insulation Type 5 with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath (if applicable)
5. PVC Sheath



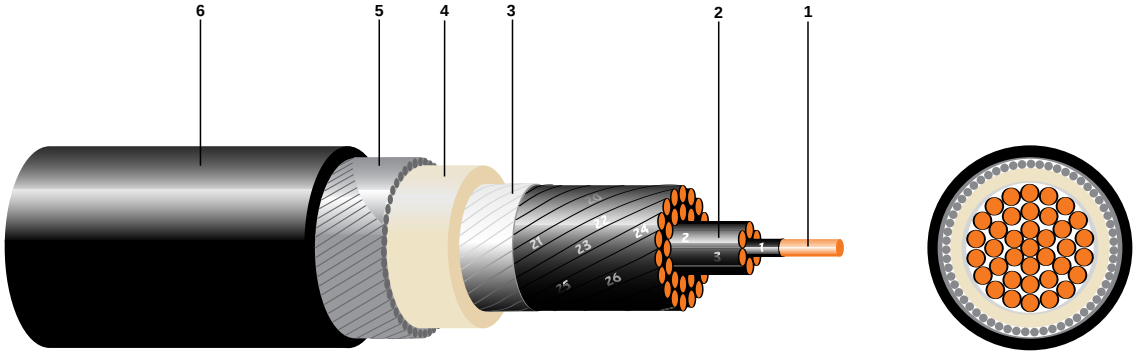
STEEL TAPE ARMOURED CONTROL CABLES

1. Stranded Copper Conductor
2. PVC Insulation Type 5 with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath
5. Double Steel Tape Armour
6. PVC Sheath



STEEL WIRE ARMOURED CONTROL CABLES

1. Stranded Copper Conductor
2. PVC Insulation Type 5 with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath
5. Round Steel Wire Armour
6. PVC Sheath



DESCRIPTION

Multi-core cables with copper conductors, PVC insulated, armoured or unarmoured and PVC sheathed. Cables are rated 0.6/1 KV and conform to IEC:502.

CONSTRUCTION

Conductor
Plain circular solid or stranded copper, per IEC:228, class 1 and 2 - sizes: 1.5 mm^2, 2.5 mm^2 and 4 mm^2.

Insulation
Heat resistive PVC type 5 to BS:6746 rated 85°C for continuous operation (PVC type 1 to BS:6746 rated 70°C also available).

Assembly & Filling
For armoured cables
Insulated cores are laid up together and filled with non-hygroscopic material to form compact and circular cable. Armour bedding shall be an extruded layer of PVC which may be an integral part of the filling.

For unarmoured cables
Insulated conductors are laid up together and provided with lapped or extruded inner covering.

Armour
Galvanized steel tapes or round steel wires.

Sheath
PVC type ST2 to IEC:502 colour black. Flame retardant PVC is also available upon request.

Core identification
Black with white printed numbers 1,2,3...etc.

Standard number of cores
7, 12, 19, 24, 30, 37. Different number of cores are available on request.

APPLICATION

These cables are suitable for use in a broad range of commercial, in industrial and utility applications where maximum performance will be demanded and may be installed indoors, outdoors, underground, ducts (conduits), on trays or ladders.

TO ORDER
Order by catalogue number, quantity required and packing.

Example
CJP7-04A 10km (10 x 1000m) on wooden reels.

Note: If 70°C rated PVC insulation is desired, change the second letter in the catalogue number to “D”.

Example
CDP7-04A

Note: In the interests of product improvement, SCC reserve the right to alter cable specifications.

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Outer sheath		Packaging	
Catalogue number	Nominal cross sectional area mm^2	Minimum number of wires	Thickness Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core							
AJP7-04A	1.5 re	1	0.8	1.8	14	265	1000
CJP7-04A	1.5 rm	7	0.8	1.8	15	280	1000
AJP7-05A	2.5 re	1	0.8	1.8	15	350	1000
CJP7-05A	2.5 rm	7	0.8	1.8	16	365	1000
AJP7-06A	4 re	1	1.0	1.8	18	530	1000
CJP7-06A	4 rm	7	1.0	1.8	19	540	100
12 Core							
AJP1204A	1.5 re	1	0.8	1.8	18	415	1000
CJP1204A	1.5 rm	7	0.8	1.8	18	440	1000
AJP1205A	2.5 re	1	0.8	1.8	19	565	1000
CJP1205A	2.5 rm	7	0.8	1.8	20	595	1000
AJP1206A	4 re	1	1.0	1.8	23	850	1000
CJP1206A	4 rm	7	1.0	1.8	24	880	1000
19 Core							
AJP1904A	1.5 re	1	0.8	1.8	20	610	1000
CJP1904A	1.5 rm	7	0.8	1.8	21	655	1000
AJP1905A	2.5 re	1	0.8	1.8	22	825	1000
CJP1905A	2.5 rm	7	0.8	1.8	23	855	1000
AJP1906A	4 re	1	1.0	1.8	27	1275	1000
CJP1906A	4 rm	7	1.0	1.8	28	1300	1000
24 Core							
AJP2404A	1.5 re	1	0.8	1.8	24	750	1000
CJP2404A	1.5 rm	7	0.8	1.8	25	800	1000
AJP2405A	2.5 re	1	0.8	1.8	26	1055	1000
CJP2405A	2.5 rm	7	0.8	1.8	27	1075	500
AJP2406A	4 re	1	1.0	1.9	32	1630	500
CJP2406A	4 rm	7	1.0	1.9	33	1660	500

re - circular solid conductor rm - circular stranded conductor

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Outer sheath		Packaging	
Catalogue number	Nominal cross sectional area mm^2	Minimum number of wires	Thickness Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
30 Core							
AJP3004A	1.5 re	1	0.8	1.8	25	920	1000
CJP3004A	1.5 rm	7	0.8	1.8	26	950	1000
AJP3005A	2.5 re	1	0.8	1.8	27	1265	500
CJP3005A	2.5 rm	7	0.8	1.8	29	1290	500
AJP3006A	4 re	1	1.0	2.0	34	1990	500
CJP3006A	4 rm	7	1.0	2.0	35	2050	500
37 Core							
AJP3704A	1.5 re	1	0.8	1.8	27	1080	500
CJP3704A	1.5 rm	7	0.8	1.8	28	1155	500
AJP3705A	2.5 re	1	0.8	1.9	30	1525	500
CJP3705A	2.5 rm	7	0.8	1.9	31	1570	500
AJP3706A	4 re	1	1.0	2.1	37	2405	500
CJP3706A	4 rm	7	1.0	2.1	39	2480	500

re - circular solid conductor rm - circular stranded conductor

DIMENSIONS AND WEIGHTS

Catalogue number	Conductor		Insulation	Armouring	Outer sheath		Packaging	
	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Thickness of steel tape Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core								
CJS7-04A-A02	1.5 rm	7	0.8	0.2	1.8	18.0	510	1000
CJS7-05A-A01	2.5 rm	7	0.8	0.2	1.8	19.0	605	1000
CJS7-06A-A01	4 rm	7	1.0	0.2	1.8	22.0	840	1000
12 Core								
CJS1204A-A01	1.5 rm	7	0.8	0.2	1.8	21.2	705	1000
CJS1205A-A03	2.5 rm	7	0.8	0.2	1.8	23.2	900	1000
CJS1206A-A01	4 rm	7	1.0	0.2	1.8	27.4	1255	500
19 Core								
CJS1904A-A01	1.5 rm	7	0.8	0.2	1.8	24.2	960	1000
CJS1905A-A01	2.5 rm	7	0.8	0.2	1.8	26.2	1210	500
CJS1906A-A01	4 rm	7	1.0	0.2	1.8	31.2	1735	500
24 Core								
CJS2404A-A01	1.5 rm	7	0.8	0.2	1.8	27.5	1165	500
CJS2405A-A01	2.5 rm	7	0.8	0.2	1.8	30.0	1475	500
CJS2406A-A01	4 rm	7	1.0	0.2	2.0	36.5	2180	500
30 Core								
CJS3004A-A01	1.5 rm	7	0.8	0.2	1.8	28.8	1340	500
CJS3005A-A01	2.5 rm	7	0.8	0.2	1.9	32.0	1740	500
CJS3006A-A01	4 rm	7	1.0	0.2	2.1	38.6	2580	500
37 Core								
CJS3704A-A01	1.5 rm	7	0.8	0.2	1.8	30.8	1555	500
CJS3705A-A01	2.5 rm	7	0.8	0.2	1.9	34.0	2035	500
CJS3706A-A01	4 rm	7	1.0	0.5	2.2	42.8	3485	500

rm - circular stranded conductor

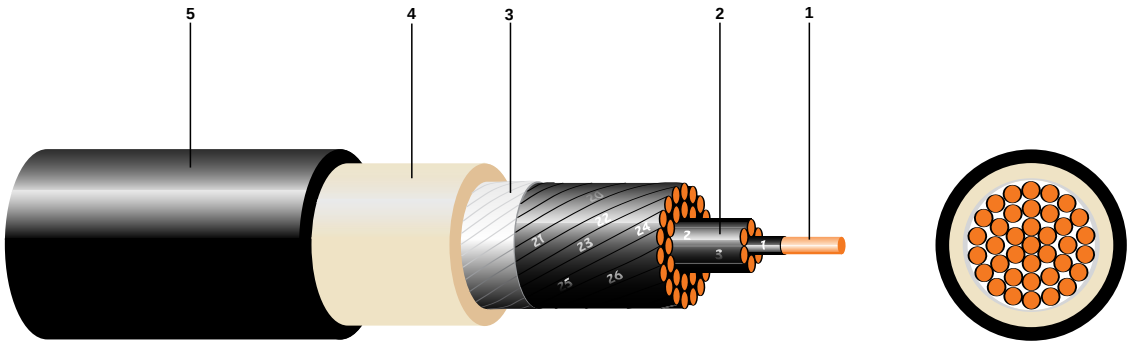
DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Armouring	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Diameter of steel wire Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core								
CJR7-04A-A02	1.5 rm	7	0.8	1.25	1.8	18.5	715	1000
CJR7-05A-A01	2.5 rm	7	0.8	1.25	1.8	20.0	835	1000
CJR7-06A-A01	4 rm	7	1.0	1.25	1.8	22.7	1100	1000
12 Core								
CJR1204A-A01	1.5 rm	7	0.8	1.25	1.8	22.5	995	1000
CJR1205A-A01	2.5 rm	7	0.8	1.25	1.8	24.1	1180	1000
CJR1206A	4 rm	7	1 .0	1.6	1.8	29.0	1770	500
19 Core								
CJR1904A	1.5 rm	7	0.8	1.6	1.8	25.8	1415	1000
CJR1905A	2.5 rm	7	0.8	1.6	1.8	27.8	1705	500
CJR1906A	4 rm	7	1.0	1.6	1.9	33.1	2360	500
24 Core								
CJR2404A	1.5 rm	7	0.8	1.6	1.8	29.1	1685	500
CJR2405A	2.5 rm	7	0.8	1.6	1.9	31.8	2070	500
CJR2406A	4 rm	7	1.0	2.0	2.1	39.5	3230	500
30 Core								
CJR3004A	1.5 rm	7	0.8	1.6	1.8	30.4	1890	500
CJR3005A	2.5 rm	7	0.8	1.6	1.9	33.2	2335	500
CJR3006A	4 rm	7	1.0	2.0	2.1	41.4	3665	500
37 Core								
CJR3704A	1.5 rm	7	0.8	1.6	1.9	32.7	2175	500
CJR3705A	2.5 rm	7	0.8	1.6	2.0	35.8	2715	500
CJR3706A	4 rm	7	1.0	2.0	2.2	44.4	4235	500

rm - circular stranded conductor

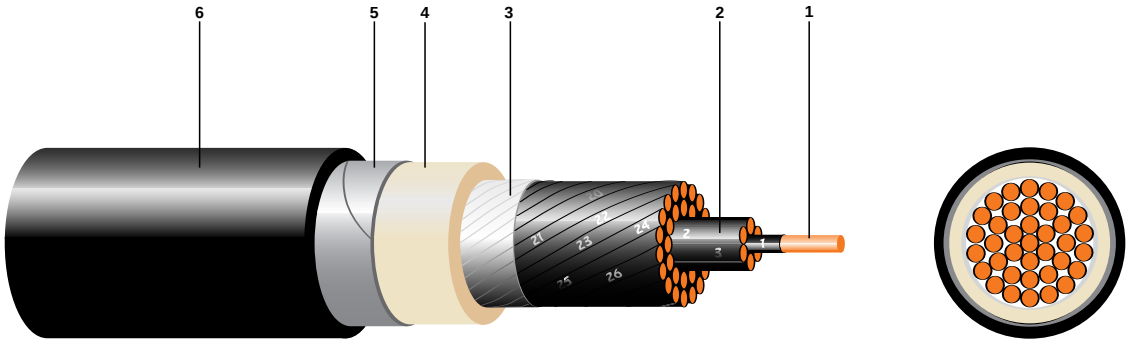
UNARMOURED CONTROL CABLES

1. Stranded or Solid Copper Conductor
2. XLPE Insulation with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath (if applicable)
5. PVC Sheath



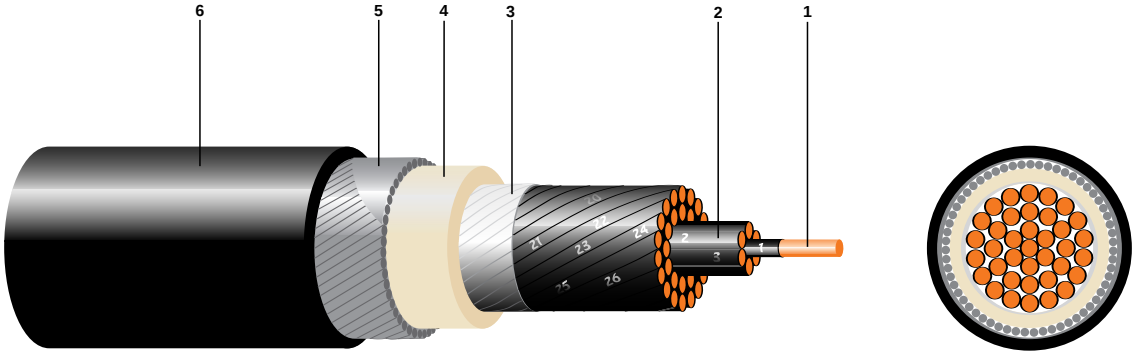
STEEL TAPE ARMOURED CONTROL CABLES

1. Stranded Copper Conductor
2. XLPE Insulation with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath
5. Double Steel Tape Armour
6. PVC Sheath



STEEL WIRE ARMOURED CONTROL CABLES

1. Stranded Copper Conductor
2. XLPE Insulation with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath
5. Round Steel Wire Armour
6. PVC Sheath



DESCRIPTION

Multi-core cables with copper conductors, XLPE insulated, armoured or unarmoured and PVC sheathed. Cables are rated 0.6/1 KV and conform to IEC:502.

CONSTRUCTION

Conductor
Plain circular soild or stranded copper conductors per IEC:228, class 1 and 2 - sizes : 1.5mm^2, 2.5mm^2, 4mm^2.

Insulation
XLPE (Cross-linked polyethylene) rated 90°C.

Assembly & Filling
For armoured cables
Insulated conductors are laid up together and filled with non-hygroscopic material to form compact and circular cable. Armour bedding shall be an extruded layer of PVC which may be an integral part of the filling.

For unarmoured cables
Insulated conductors are laid up together and provided with lapped or extruded inner covering.

Armour
Galvanized steel tapes or round steel wires.

Sheath
PVC type ST2 to IEC:502 colour black. Flame retardant PVC is also available upon request.

Core identification
Black with white printed numbers 1,2,3...etc.

Standard number of cores
7, 12, 19, 24, 30, 37. Different number of cores are available on request

APPLICATION

These cables are suitable for use in a broad rang of commercial, industrial and utility applications where maximum performance will be demanded and may be installed indoors, outdoors, underground, in ducts (conduits), on trays or ladders.

TO ORDER
Order by catalogue number, quantity required and packing

Example
CNP7-04A 10km (10 x 1000m) on wooden reels.

Note: In the interests of product improvement, SCC reserve the right to alter cable specifications.

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core							
ANP7-04A	1.5 re	1	0.7	1.8	13.1	245	1000
CNP7-04A	1.5 rm	7	0.7	1.8	13.5	250	1000
ANP7-05A	2.5 re	1	0.7	1.8	14.3	325	1000
CNP7-05A	2.5 rm	7	0.7	1.8	14.6	330	1000
ANP7-06A	4 re	1	0.7	1.8	15.8	445	1000
CNP7-06A	4 rm	7	0.7	1.8	16.1	450	1000
12 Core							
ANP1204A	1.5 re	1	0.7	1.8	16.7	375	1000
CNP1204A	1.5 rm	7	0.7	1.8	17.1	385	1000
ANP1205A	2.5 re	1	0.7	1.8	18.1	510	1000
CNP1205A	2.5 rm	7	0.7	1.8	18.8	515	1000
ANP1206A	4 re	1	0.7	1.8	20.5	710	1000
CNP1206A	4 rm	7	0.7	1.8	20.9	715	1000
19 Core							
ANP1904A	1.5 re	1	0.7	1.8	15.1	360	1000
CNP1904A	1.5 rm	7	0.7	1.8	19.6	545	1000
ANP1905A	2.5 re	1	0.7	1.8	21.1	740	1000
CNP1905A	2.5 rm	7	0.7	1.8	21.6	745	1000
ANP1906A	4 re	1	0.7	1.8	23.6	1040	1000
CNP1906A	4 rm	7	0.7	1.8	24.1	1050	1000
24 Core							
ANP2404A	1.5 re	1	0.7	1.8	22.1	655	1000
CNP2404A	1.5 rm	7	0.7	1.8	22.7	670	1000
ANP2405A	2.5 re	1	0.7	1.8	24.5	920	1000
CNP2405A	2.5 rm	7	0.7	1.8	25.1	925	1000
ANP2406A	4 re	1	0.7	1.8	27.5	1295	500
CNP2406A	4 rm	7	0.7	1.8	28.1	1305	500

re - circular solid conductor rm - circular stranded conductor

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
30 Core							
ANP3004A	1.5 re	1	0.7	1.8	23.3	780	1000
CNP3004A	1.5 rm	7	0.7	1.8	23.9	800	1000
ANP3005A	2.5 re	1	0.7	1.8	25.9	1105	500
CNP3005A	2.5 rm	7	0.7	1.8	26.5	1110	500
ANP3006A	4 re	1	0.7	1.9	29.4	1595	500
CNP3006A	4 rm	7	0.7	1.9	30.0	1605	500
37 Core							
ANP3704A	1.5 re	1	0.7	1.8	25.1	930	1000
CNP3704A	1.5 rm	7	0.7	1.8	25.8	950	1000
ANP3705A	2.5 re	1	0.7	1.8	27.9	1325	500
CNP3705A	2.5 rm	7	0.7	1.8	28.6	1335	500
ANP3706A	4 re	1	0.7	1.9	31.7	1920	500
CNP3706A	4 rm	7	0.7	1.9	32.4	1935	500

re - circular solid conductor rm - circular stranded conductor

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Armouring	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Diameter of steel tape Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core								
CNS7-04A-A01	1.5 rm	7	0.7	0.2	1.8	17.0	465	1000
CNS7-05A-A01	2.5 rm	7	0.7	0.2	1.8	18.2	560	1000
CNS7-06A-A01	4 rm	7	0.7	0.2	1.8	19.7	700	1000
12 Core								
CNS1204A-A01	1.5 rm	7	0.7	0.2	1.8	20.7	650	1000
CNS1205A-A01	2.5 rm	7	0.7	0.2	1.8	22.4	810	1000
CNS1206A-A01	4 rm	7	0.7	0.2	1.8	24.5	1050	1000
19 Core								
CNS1904-A01	1.5 rm	7	0.7	0.2	1.8	23.2	850	1000
CNS1905A-A01	2.5 rm	7	0.7	0.2	1.8	25.2	1080	500
CNS1906A-A01	4 rm	7	0.7	0.2	1.8	27.7	1725	500
24 Core								
CNS2404A-A01	1.5 rm	7	0.7	0.2	1.8	27.2	1025	500
CNS2405A	2.5 rm	7	0.7	0.2	1.8	30.3	1315	500
CNS2406A	4 rm	7	0.7	0.2	1.9	32.0	1765	500
30 Core								
CNS3004A-A01	1.5 rm	7	0.7	0.2	1.8	27.5	1170	500
CNS3005A-A01	2.5 rm	7	0.7	0.2	1.8	30.1	1520	500
CNS3006A-A01	4 rm	7	0.7	0.2	1.9	33.6	2065	500
37 Core								
CNS3704A-A01	1.5 rm	7	0.7	0.2	1.8	29.4	1350	500
CNS3705A-A01	2.5 rm	7	0.7	0.2	1.9	32.5	1800	500
CNS3706A-A01	4 rm	7	0.7	0.2	2.0	35.9	2420	500

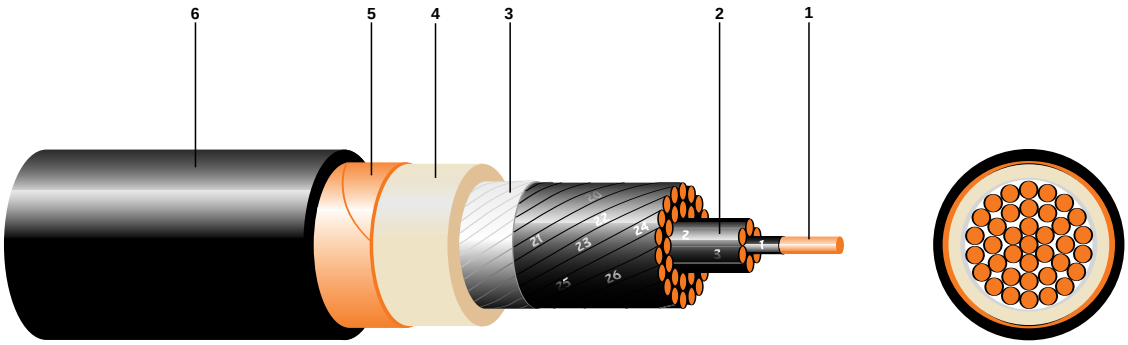
rm - circular stranded conductor

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Armouring	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Diameter of steel wire Nominal mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core								
CNR7-04A-A01	1.5 rm	7	0.7	1.25	1.8	18.0	660	1000
CNR7-05A-A03	2.5 rm	7	0.7	1.25	1.8	19.1	775	1000
CNR7-06A-A02	4 rm	7	0.7	1.25	1.8	20.6	935	1000
12 Core								
CNR1204A-A01	1.5 rm	7	0.7	1.25	1.8	22.0	900	1000
CNR1205A-A02	2.5 rm	7	0.7	1.25	1.8	23.3	1085	1000
CNR1206A	4 rm	7	0.7	1.6	1.8	26.1	1500	500
19 Core								
CNR1904-A02	1.5 rm	7	0.7	1.25	1.8	24.1	1165	1000
CNR1905A	2.5 rm	7	0.7	1.6	1.8	27.0	1555	500
CNR1906A	4 rm	7	0.7	1.6	1.8	29.3	1950	500
24 Core								
CNR2404A	1.5 rm	7	0.7	1.6	1.8	27.2	1355	500
CNR2405A	2.5 rm	7	0.7	1.6	1.8	30.3	1860	500
CNR2406A	4 rm	7	0.7	1.6	1.9	33.6	2375	500
30 Core								
CNR3004A	1.5 rm	7	0.7	1.6	1.8	29.1	1690	500
CNR3005A	2.5 rm	7	0.7	1.6	1.8	31.7	1720	500
CNR3006A	4 rm	7	0.7	1.6	2	35.5	2740	500
37 Core								
CNR3704A	1.5 rm	7	0.7	1.6	1.8	31.0	1910	500
CNR3705A	2.5 rm	7	0.7	1.6	1.9	34.1	2420	500
CNR3706A	4 rm	7	0.7	2.0	2.1	39.3	3500	500

rm - circular stranded conductor

1. Stranded Copper Conductor
2. PVC Insulation Type 5 with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath
5. Copper Tape Screen
6. PVC Sheath



DESCRIPTION

Multi-core cables with copper conductors, PVC insulated, copper tape screened and PVC sheathed. Cables are rated 0.6/1 KV and conform to IEC 502.

CONSTRUCTION

Conductor
Plain circular stranded copper, per IEC 228, class 1 and 2 - sizes: 1.5 mm^2, 2.5 mm^2 and 4 mm^2.

Insulation
Heat resistive PVC type 5 to BS:6746 rated 85°C for continuous operation (PVC type 1 to BS:6746 rated 70°C also available on request).

Assembly & Filling
Insulated conductors are laid up together and filled with non-hygroscopic material to form compact and circular cable. Bedding shall be an extruded layer of PVC which may be an integral part of the filling.

Screen
Electrolytic copper tape. Copper wire screen available on request.

Sheath
PVC type ST2 to IEC 502 colour black. Flame retardant PVC is also available upon request.

Core identification
Black with white printed numbers 1,2,3...etc.

Standard number of cores
7, 12, 19, 24, 30, 37. Different number of cores are available on request.

APPLICATION

These cables are suitable for use in a broad range of commercial, industrial and utility applications where protection from electromagnetic interference is warranted, and may be installed indoors, outdoors, underground, in ducts (conduits), on trays or ladders.

TO ORDER
Order by catalogue number, quantity required and packing.

Example
CJU7-04A 10km (10 x 1000m) on wooden reels.

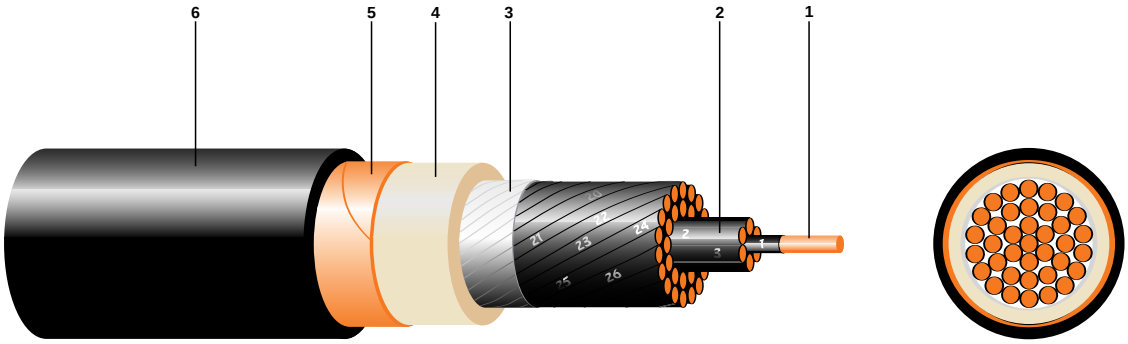
Note: In the interests of product improvement, SCC reserve the right to alter cable specifications.

DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Screen	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Thickness of copper tape mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core								
CJU7-04A	1.5 rm	7	0.8	0.1	1.8	16.2	415	1000
CJU7-05A	2.5 rm	7	0.8	0.1	1.8	17.4	510	1000
CJU7-06A	4 rm	7	1.0	0.1	1.8	20.4	710	1000
12 Core								
CJU1204A	1.5 rm	7	0.8	0.1	1.8	20.2	610	1000
CJU1205A	2.5 rm	7	0.8	0.1	1.8	21.8	765	1000
CJU1206A	4 rm	7	1.0	0.1	1.8	26.0	1095	500
19 Core								
CJS1904A	1.5 rm	7	0.8	0.1	1.8	22.8	825	1000
CJR1905A	2.5 rm	7	0.8	0.1	1.8	24.8	1060	500
CJS1906A	4 rm	7	1.0	0.1	1.8	29.8	1550	500
24 Core								
CJU2404A	1.5 rm	7	0.8	0.1	1.8	26.1	1005	500
CJU2405A	2.5 rm	7	0.8	0.1	1.8	28.5	1300	500
CJU2406A	4 rm	7	1.0	0.1	2.0	35.2	1980	500
30 Core								
CJU3004A	1.5 rm	7	0.8	0.1	1.8	27.4	1175	500
CJU3005A	2.5 rm	7	0.8	0.1	1.9	30.0	1530	500
CJU3006A	4 rm	7	1.0	0.1	2.1	37.4	2380	500
37 Core								
CJU3704A	1.5 rm	7	0.8	0.1	1.8	29.7	1400	500
CJU3705A	2.5 rm	7	0.8	0.1	1.9	32.5	1835	500
CJU3706A	4 rm	7	1.0	0.1	2.1	40.2	2820	500

rm - circular stranded conductor

1. Stranded Copper Conductor
2. XLPE Insulation with number marking
3. Non-hygroscopic binder tape
4. Extruded Inner Sheath
5. Copper Tape Screen
6. PVC Sheath



DESCRIPTION

Multi-core cables with copper conductors, XLPE insulated, copper tape screened and PVC sheathed. Cables are rated 0.6/1 KV and conform to IEC 502.

CONSTRUCTION

Conductor
Plain circular stranded copper, per IEC 228, class 1 and 2 - sizes: 1.5 mm^2, 2.5 mm^2 and 4 mm^2.

Insulation
XLPE (cross-linked polyethylene) rated 90°C.

Assembly & Filling
Insulated conductors are laid up together and filled with non-hygroscopic material to form compact and circular cable. Bedding shall be an extruded layer of PVC which may be an integral part of the filling.

Screen
Electrolytic copper tape. Copper wire screen available on request.

Sheath
PVC type ST2 to IEC 502 colour black. Flame retardant PVC is also available upon request.

Core identification
Black with white printed numbers 1,2,3...etc.

Standard number of cores
7, 12, 19, 24, 30, 37. Different number of cores are available on request.

APPLICATION

These cables are suitable for use in a broad range of commercial, industrial and utility applications where protection from electromagnetic interference is warranted. May be installed indoors, outdoors, underground, ducts (conduits), on trays or ladders.

TO ORDER
Order by catalogue number, quantity required and packing.

Example
CNU7-04A 10km (10 x 1000m) on wooden reels.

Note: In the interests of product improvement, SCC reserve the right to alter cable specifications.

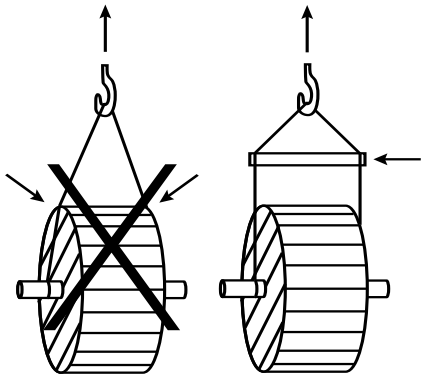
DIMENSIONS AND WEIGHTS

	Conductor		Insulation	Screen	Outer sheath		Packaging	
Catalogue number	Cross sectional area Nominal mm^2	Minimum number of wires	Thickness Nominal mm	Thickness of copper tape mm	Thickness Nominal mm	Overall diameter Approx mm	Net weight Approx kg/km	Standard package m±5%
7 Core								
CNU7-04A	1.5 rm	7	0.7	0.1	1.8	15.6	370	1000
CNU7-05A	2.5 rm	7	0.7	0.1	1.8	16.8	460	1000
CNU7-06A	4 rm	7	0.7	0.1	1.8	18.3	590	1000
12 Core								
CNU1204A	1.5 rm	7	0.7	0.1	1.8	19.3	535	1000
CNU1205A	2.5 rm	7	0.7	0.1	1.8	21.0	680	1000
CNU1206A	4 rm	7	0.7	0.1	1.8	23.1	900	1000
19 Core								
CNS1904A	1.5 rm	7	0.7	0.1	1.8	21.8	715	1000
CNU1905A	2.5 rm	7	0.7	0.1	1.8	23.8	935	500
CNU1906A	4 rm	7	0.7	0.1	1.8	26.3	1260	500
24 Core								
CNU2404A	1.5 rm	7	0.7	0.1	1.8	24.9	870	500
CNU2405A	2.5 rm	7	0.7	0.1	1.8	27.3	1145	500
CNU2406A	4 rm	7	0.7	0.1	1.8	30.3	1555	500
30 Core								
CNU3004A	1.5 rm	7	0.7	0.1	1.8	26.1	1010	500
CNU3005A	2.5 rm	7	0.7	0.1	1.8	28.7	1345	500
CNU3006A	4 rm	7	0.7	0.1	1.9	33.0	1940	500
37 Core								
CNU3704A	1.5 rm	7	0.7	0.1	1.8	28.0	1180	500
CNU3705A	2.5 rm	7	0.7	0.1	1.9	30.8	1565	500
CNU3706A	4 rm	7	0.7	0.1	2.0	35.3	2285	500

rm - circular stranded conductor

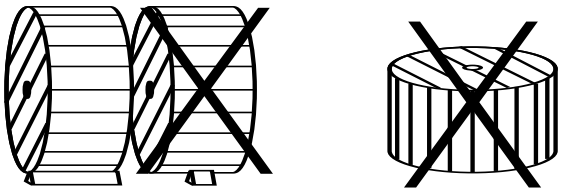
SPECIALITY CABLES

CABLE HANDLING AND LAYING PARAMETERS

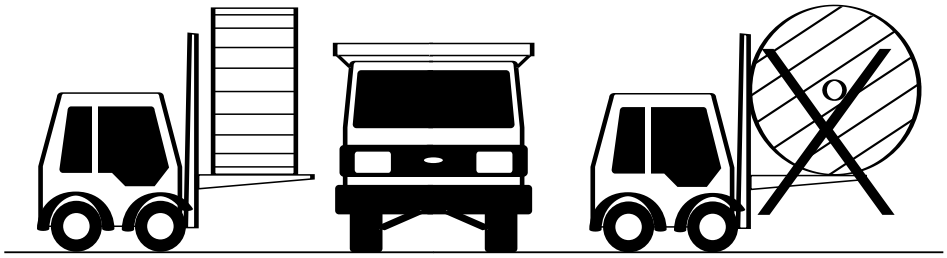


Lifting cable drums using crane.

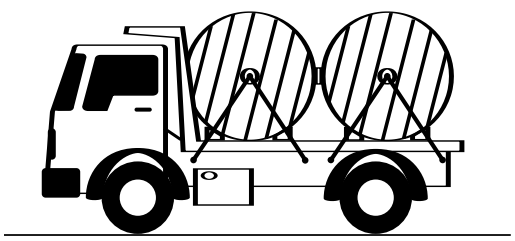
Speciality cables should be installed by trained personnel in accordance with good engineering practices, recognised codes of practice, statutory local requirements, IEEE wiring regulations and where relevant, in accordance with any specific instructions issued by the company. In particular, care must be taken to avoid abrasion damage to LSF-FR-HF over-sheaths which are less robust than PVC oversheaths. It should also be noted that LSF cable sheaths are not oil resistant. Cables are often supplied in heavy cable reels and handling these reels can constitute a safety hazard. In particular, dangers may arise during the removal of steel binding straps and during the removal of retaining battens and timbers which may expose projecting nails.



Do not lay drums flat on their sides, use proper stops to prevent drums rolling.



Lift drums on fork trucks correctly.



Secure drums adequately before transportation.

Roll in the direction shown by the arrow.